

Indiana  
Maternal and Child Health  
Outcomes and Performance Measures  
**DATA BOOK**

State and selected county data  
**2006-2015**



Indiana State  
Department of Health

**Indiana Maternal and Child Health Outcomes and Performance Measures Data Book  
State and Selected County Data, 2006 – 2015**

**Indiana State Department of Health**

Health and Human Services Commission  
Division of Maternal and Child Health Epidemiology  
2 North Meridian Street  
Indianapolis, Indiana 46204

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Kelsey Gurganus, MPH, *Director of MCH Epidemiology*

Kendra Ham, MPH, *Infant Mortality Epidemiologist*

Opeyemi Ojo, MPH, *PRAMS Epidemiologist*

Sara Abdalla, MD, MPH, *MCH/SSDI Epidemiologist*

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For questions about this report, please email: [kgurganus@isdh.in.gov](mailto:kgurganus@isdh.in.gov)

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## **Glossary of Terms**

## **Appendix**

## Preface

The Indiana Maternal and Child Health Outcomes and Performance Measures Data Book, 2006 – 2015, provides a summary of data relating to pregnancy, birth, and mortality in Indiana and selected counties for the years 2006 – 2015.

Information for this report was obtained from birth and death certificates filed with the Indiana State Department of Health (ISDH) and from transcripts of original certificates for Indiana residents giving birth or dying in other states. The ISDH Division of Maternal and Child Health (MCH) in collaboration with the ISDH Epidemiology Resource (ERC) Data Analysis Team compiled these data to produce this report.

Indiana began using the 2003 U.S. Standard Certificate of Live Birth (the 2003 “revised” certificate) on January 1, 2007. Although much of the information collected from the mother remained the same, some questions were rephrased or the information gathered in a different manner. This resulted in significant changes to some variables. The major variables that were affected in this report were the month prenatal care began and smoking during pregnancy. **Data on prenatal care and tobacco use for the years 2007 and later are not considered comparable to prior years due to the significant changes in wording on the certificates.** These changes are detailed below:

Prenatal Care: The month prenatal care began has been changed from a box asking for the month of pregnancy in which prenatal care began to questions asking for the date of last normal menses and the date of the first prenatal visit. The month prenatal care began was then calculated from these two variables. If the day of the month was unknown, the day of the month was imputed using a program that the National Center for Health Statistics (NCHS) developed. NCHS observed a decrease in the percent of mothers receiving care in the first month for all states that adopted the revised certificate, and it is considered to be the result of better reporting.

Adequacy of Prenatal Care Utilization (Kotelchuck Index): The data for 2007 and later are not comparable with data from previous years. The percent of women beginning prenatal care in the first trimester decreased from 2006 to 2007 because of the change in the question(s) asked (please see above). Since this variable is central to the calculation of the Kotelchuck Index, the Index is likewise affected.

Tobacco Use: Prior to 2007, the question was asked “Did mother smoke during pregnancy?” Depending on the response, the facility would check one of the following boxes: Yes, No, or Unknown. Beginning in 2007, more detailed information was collected – the average number of cigarettes (or packs of cigarettes) that were smoked during the three months prior to becoming pregnant, the first three months of pregnancy, the second three months of pregnancy, and the last trimester of pregnancy. If the mother smoked at *any time during her pregnancy*, she was considered to be a smoker for this report. This is consistent with NCHS practice.

Preterm Birth: In this 2006 – 2015 MCH Outcomes report, the obstetrical estimate of gestation (clinical estimate of gestation) is used to calculate the preterm birth rates. The preterm birth rates in this report



are not comparable with the preterm data in MCH Outcomes reports for 1998 – 2007 through 2002 – 2011. Those reports used the calculated gestation based on the last menstrual period to determine preterm births.

Maternal Mortality: Prior to 2008, the question was asked “Was the decedent pregnant or 90 days postpartum?” and the response was a yes or no. Beginning in 2008, more detailed information was collected for females. The check boxes are as follows: pregnant at time of death; not pregnant within past year; not pregnant, but pregnant within 42 days of death; not pregnant, but pregnant 43 days to 1 year before death; and unknown if pregnant within the past year.

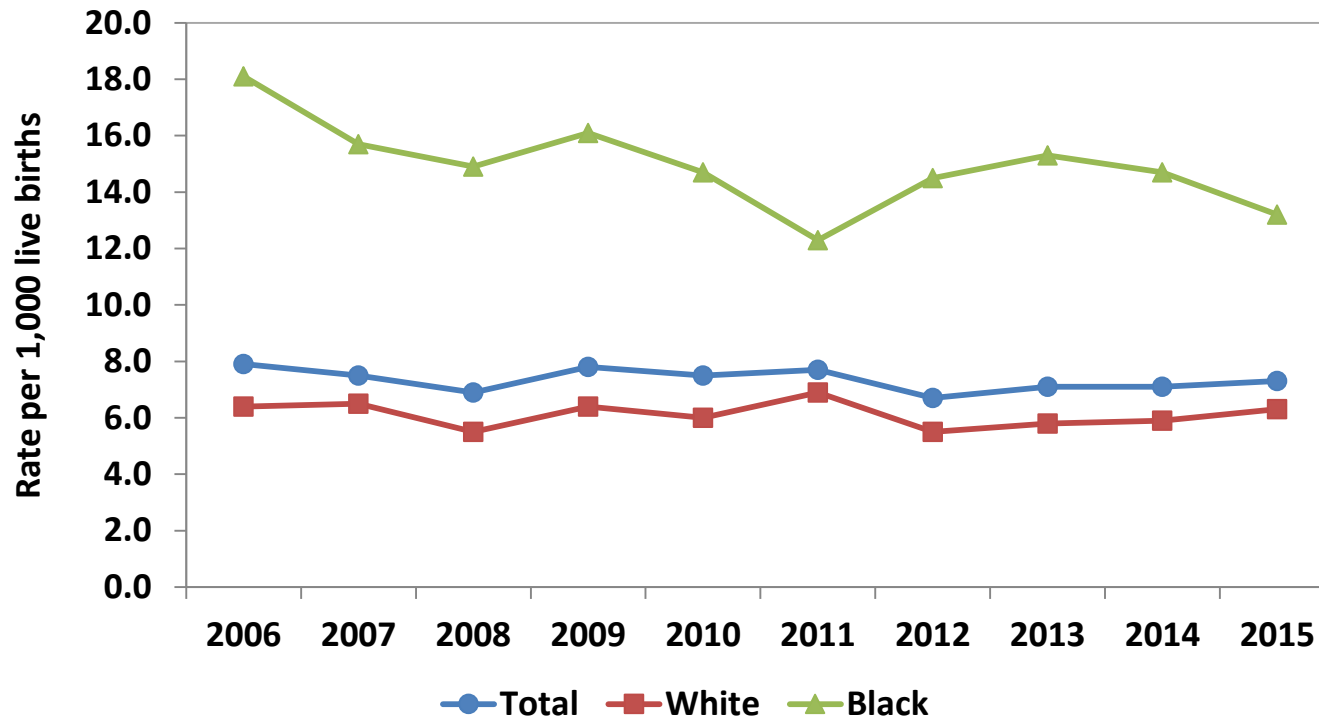
Race of Mother and Father: Indiana now uses the 1997 Office of Management and Budget (OMB) standards for collecting data on race and ethnicity. Beginning with the 2007 birth certificate, the mother and father could check more than one box for race. All racial and ethnicity information is now sent to NCHS, which imputes a single (“bridged”) race to the mother and father based on the combination of races, Hispanic origin, sex, and age. This “bridged” race is what is used in this report.

The relationship between the two OMB standards and the terms used to report race and ethnicity in this report are as follows:

Race		
1997 OMB Standards (Current)	1977 OMB Standards (Pre-2007)	This Report
American Indian or Alaska Native	American Indian or Alaska Native	Included in Other
Asian	Asian or Pacific Islander	Included in Other
Black or African American	Black	Black
Native Hawaiian or Other Pacific Islander	Asian or Pacific Islander	Included in Other
White	White	White

Ethnicity		
1997 OMB Standards (Current)	1977 OMB Standards (Pre-2007)	This Report
Hispanic or Latino	Hispanic	Hispanic
Not Hispanic or Latino	Non-Hispanic	Non-Hispanic

## Infant Mortality Rates by Race Indiana Residents, 2006 – 2015

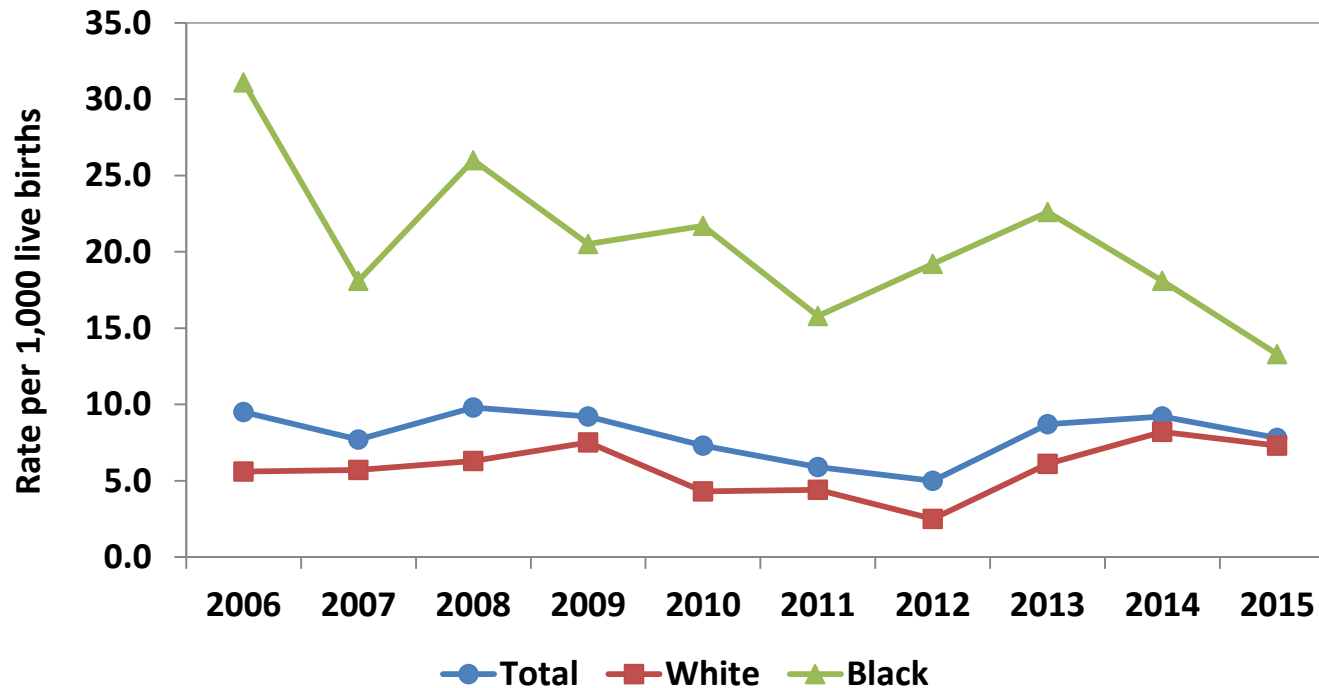


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	7.9	7.5	6.9	7.8	7.5	7.7	6.7	7.1	7.1	7.3
White	6.4	6.5	5.5	6.4	6.0	6.9	5.5	5.8	5.9	6.3
Black	18.1	15.7	14.9	16.1	14.7	12.3	14.5	15.3	14.7	13.2

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race Allen County Residents, 2006 – 2015



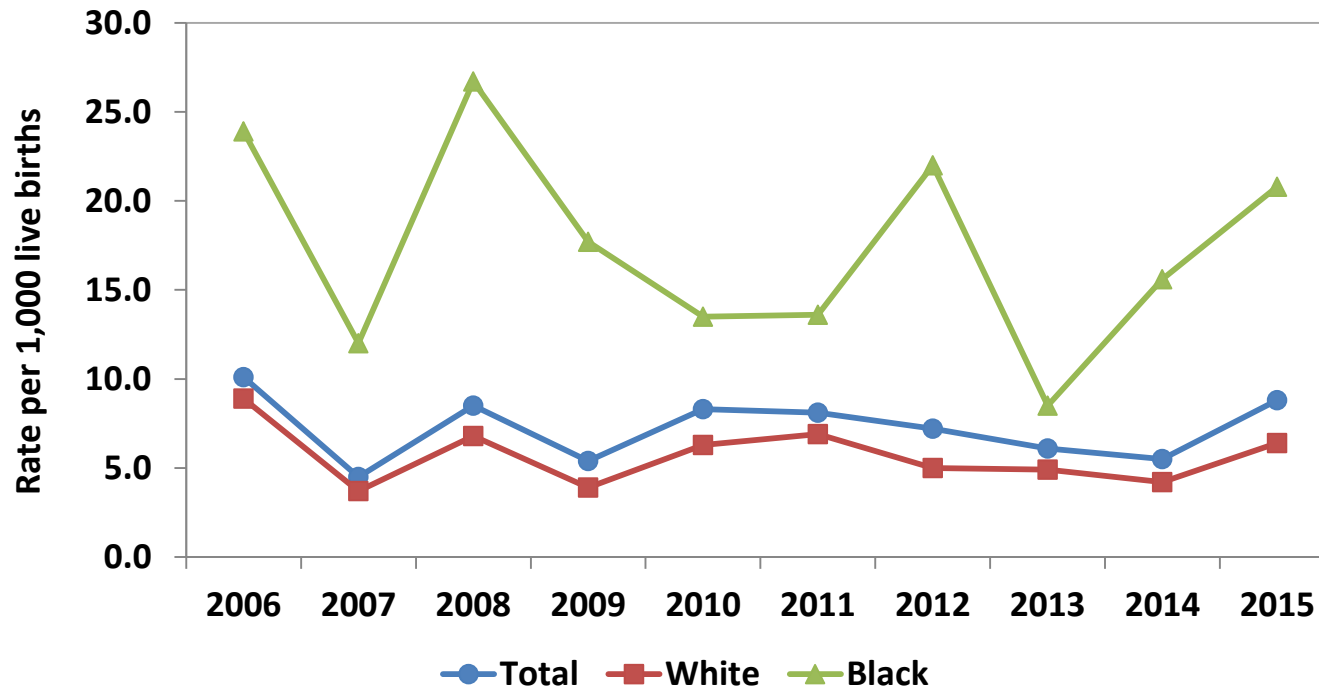
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	9.5	7.7	9.8	9.2	7.3	5.9	5.0	8.7	9.2	7.8
White	5.6	5.7	6.3	7.5	4.3*	4.4*	2.5*	6.1	8.2	7.3
Black	31.1	18.1*	26.0	20.5*	21.7*	15.8*	19.2*	22.6*	18.1*	13.3*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race Elkhart County Residents, 2006 – 2015



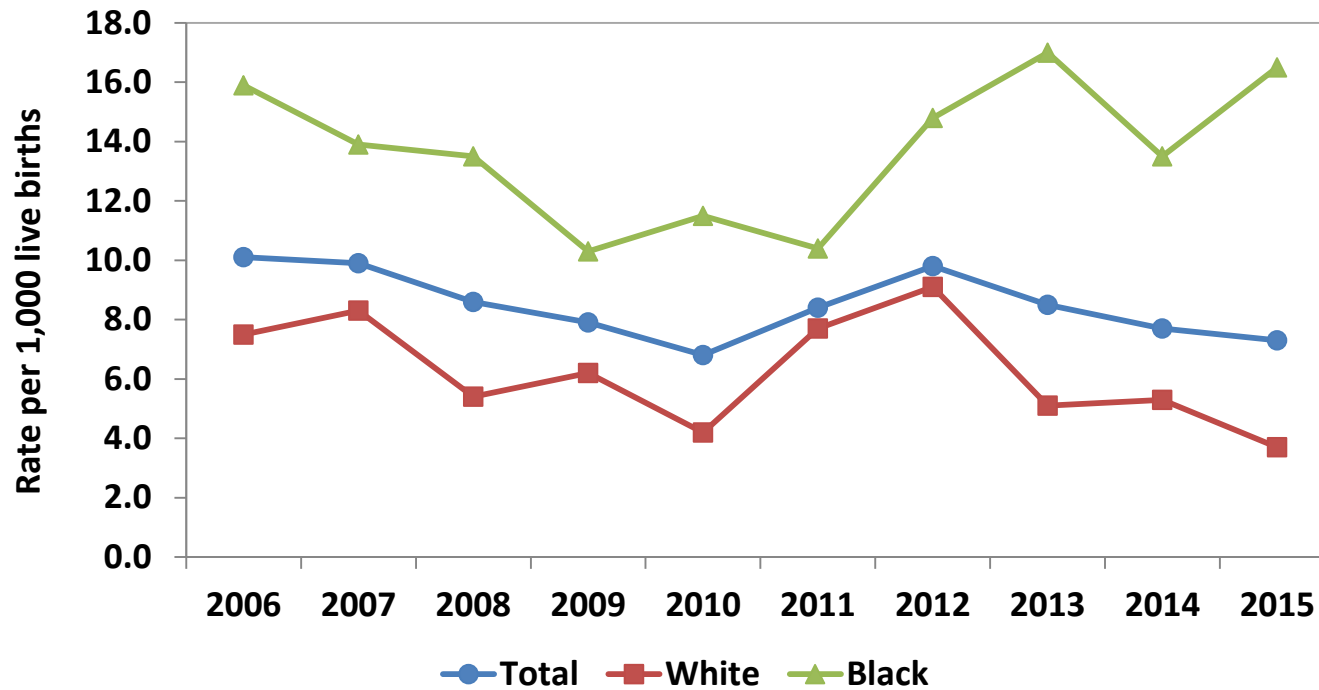
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	10.1	4.5*	8.5	5.4*	8.3	8.1	7.2	6.1*	5.5*	8.8
White	8.9	3.7*	6.8	3.9*	6.3*	6.9*	5.0*	4.9*	4.2*	6.4*
Black	23.9*	12.0*	26.7*	17.7*	13.5*	13.6*	22.0*	8.5*	15.6*	20.8*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race Lake County Residents, 2006 – 2015



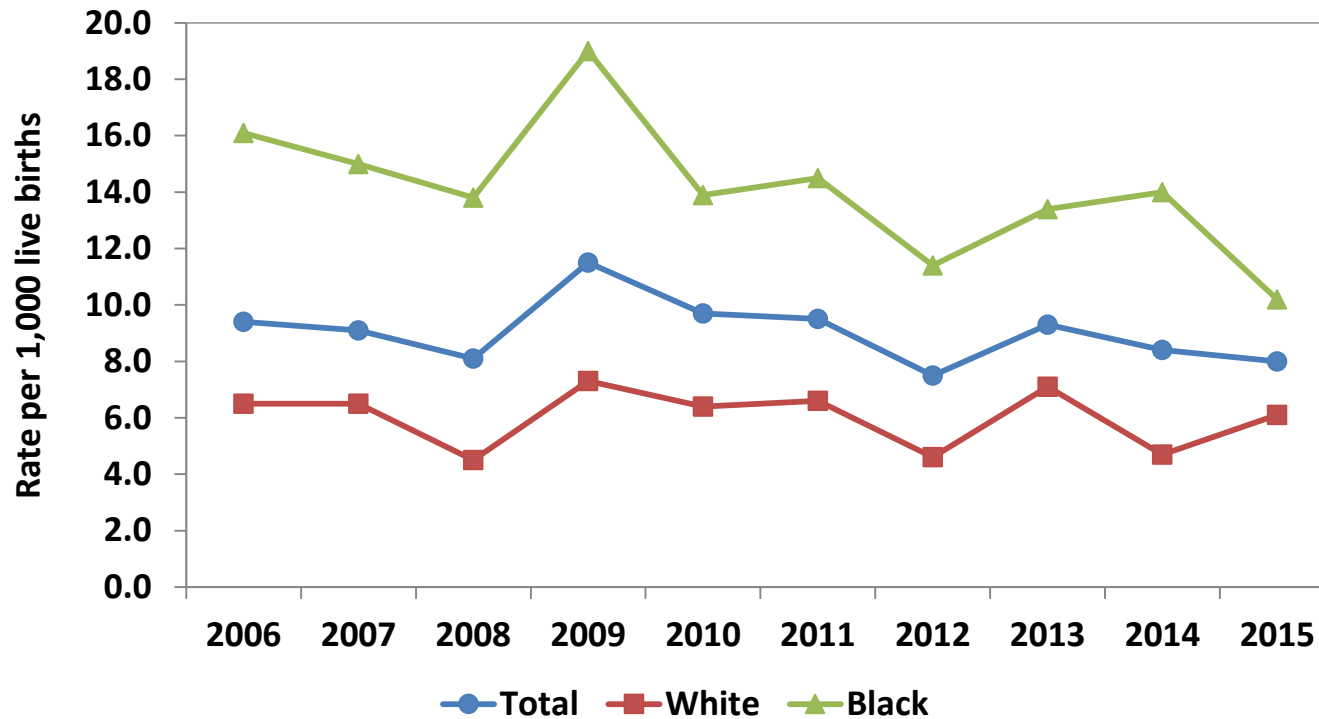
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	10.1	9.9	8.6	7.9	6.8	8.4	9.8	8.5	7.7	7.3
White	7.5	8.3	5.4	6.2	4.2*	7.7	9.1	5.1*	5.3	3.7*
Black	15.9	13.9	13.5	10.3	11.5	10.4	14.8	17.0	13.5	16.5

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race Marion County Residents, 2006 – 2015

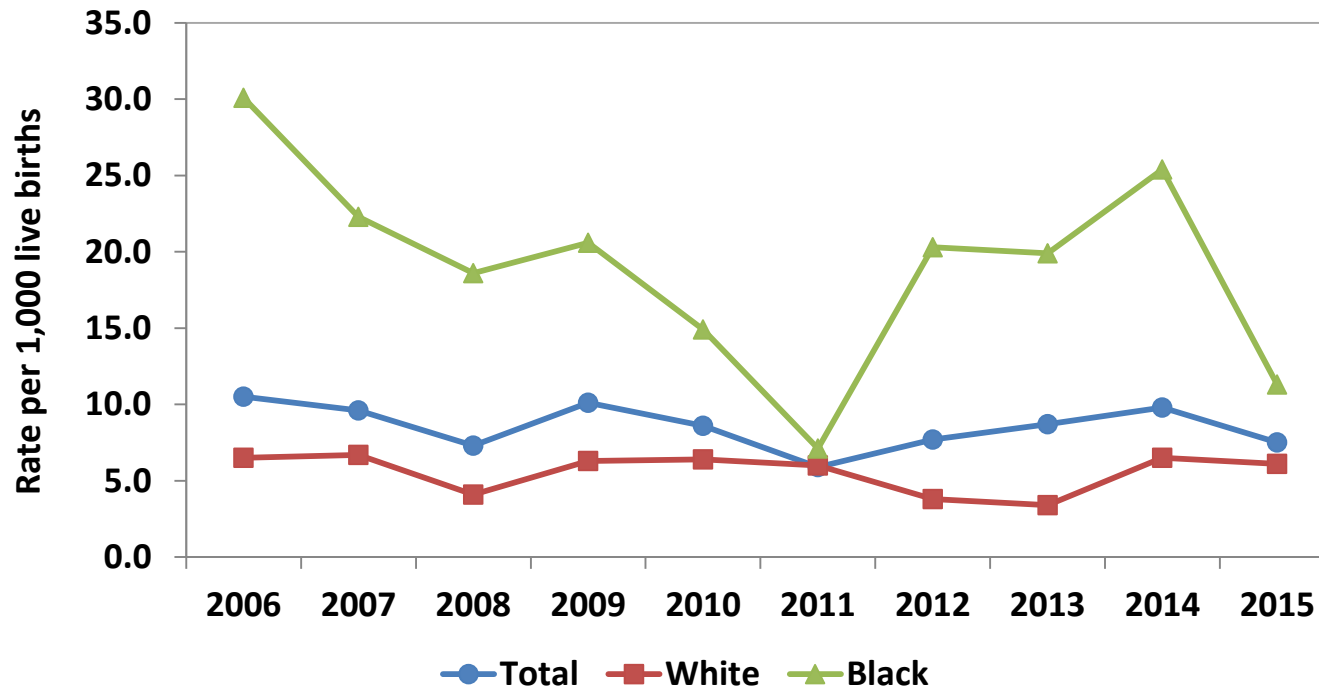


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	9.4	9.1	8.1	11.5	9.7	9.5	7.5	9.3	8.4	8.0
<b>White</b>	6.5	6.5	4.5	7.3	6.4	6.6	4.6	7.1	4.7	6.1
<b>Black</b>	16.1	15.0	13.8	19.0	13.9	14.5	11.4	13.4	14.0	10.2

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race St. Joseph County Residents, 2006 – 2015



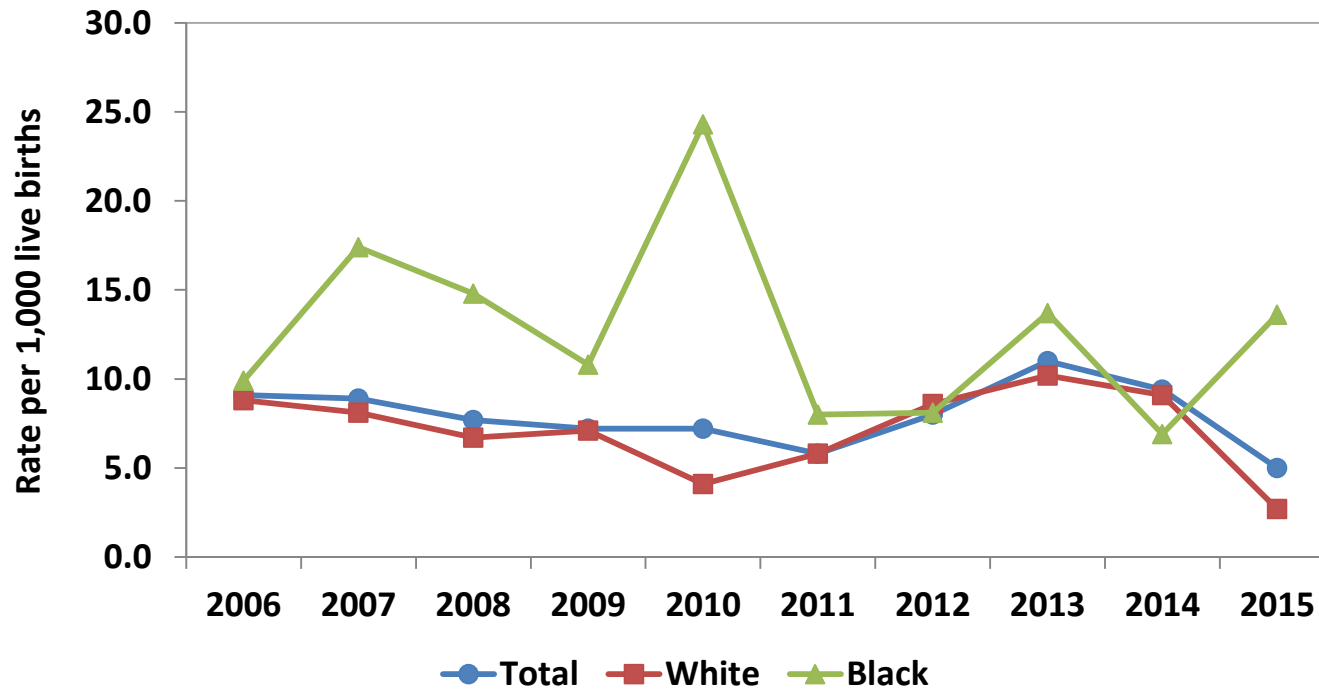
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	10.5	9.6	7.3	10.1	8.6	5.9	7.7	8.7	9.8	7.5
White	6.5	6.7	4.1*	6.3*	6.4*	6.0*	3.8*	3.4*	6.5*	6.1*
Black	30.1	22.3*	18.6*	20.6*	14.9*	7.1*	20.3*	19.9*	25.4*	11.4*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Race Vanderburgh County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	9.1	8.9	7.7*	7.2*	7.2*	5.8*	8.0*	11.0	9.4	5.0*
White	8.8*	8.1*	6.7*	7.1*	4.1*	5.8*	8.6*	10.2*	9.1*	2.7*
Black	9.9*	17.4*	14.8*	10.8*	24.3*	8.0*	8.1*	13.7*	6.9*	13.6*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Infant Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates Indiana Residents, 2006 – 2015

	2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>INDIANA</b>	702	7.9	677	7.5	616	6.9	675	7.8	630	7.5	643	7.7	556	6.7	594	7.1	597	7.1	613	7.3
White	495	6.4	499	6.5	409	5.5	458	6.4	420	6.0	479	6.9	371	5.5	393	5.8	403	5.9	437	6.3
Black	188	18.1	162	15.7	156	14.9	164	16.1	148	14.7	122	12.3	146	14.5	153	15.3	153	14.7	137	13.2
Ratio	2.8		2.4		2.7		2.5		2.5		1.8		2.6		2.6		2.5		2.1	
<b>ALL RACES</b>	369	9.7	323	8.6	310	8.4	349	9.5	297	8.4	280	8.0	262	7.5	302	8.8	290	8.4	265	7.7
Allen	52	9.5	42	7.7	54	9.8	50	9.2	39	7.3	31	5.9	26	5.0	44	8.7	48	9.2	41	7.8
Elkhart	36	10.1	16	4.5	29	8.5	17	5.4	25	8.3	24	8.1	22	7.2	18	6.1	17	5.5	28	8.8
Lake	70	10.1	67	9.9	57	8.6	53	7.9	44	6.8	52	8.4	59	9.8	51	8.5	47	7.7	43	7.3
Marion	146	9.4	140	9.1	124	8.1	176	11.5	142	9.7	139	9.5	109	7.5	133	9.3	123	8.4	116	8.0
St. Joseph	42	10.5	36	9.6	28	7.3	36	10.1	30	8.6	21	5.9	27	7.7	31	8.7	34	9.8	26	7.5
Vanderburgh	23	9.1	22	8.9	18	7.7	17	7.2	17	7.2	13	5.8	19	8.0	25	11.0	21	9.4	11	5.0
<b>WHITE</b>	197	7.0	180	6.5	140	5.3	173	6.7	137	5.5	152	6.3	121	5.2	138	6.2	139	5.9	135	5.7
Allen	25	5.6	25	5.7	26	6.3	31	7.5	18	4.3	18	4.4	10	2.5	23	6.1	32	8.2	29	7.3
Elkhart	29	8.9	12	3.7	21	6.8	11	3.9	17	6.3	18	6.9	13	5.0	12	4.9	11	4.2	17	6.4
Lake	34	7.5	37	8.3	22	5.4	26	6.2	17	4.2	28	7.7	31	9.1	18	5.1	20	5.3	14	3.7
Marion	69	6.5	69	6.5	46	4.5	74	7.3	60	6.4	61	6.6	40	4.6	57	7.1	42	4.7	54	6.1
St. Joseph	21	6.5	20	6.7	12	4.1	17	6.3	17	6.4	16	6.0	10	3.8	9	3.4	17	6.5	16	6.1
Vanderburgh	19	8.8	17	8.1	13	6.7	14	7.1	8	4.1	11	5.8	17	8.6	19	10.2	17	9.1	5	2.7
<b>BLACK</b>	165	18.6	135	15.6	140	15.8	144	16.8	124	14.5	106	12.8	116	13.9	129	15.5	128	15.0	105	12.4
Allen	27	31.1	16	18.1	24	26.0	18	20.5	18	21.7	13	15.8	16	19.2	18	22.6	15	18.1	11	13.3
Elkhart	6	23.9	**	12.0	7	26.7	**	17.7	**	13.5	**	13.6	5	22.0	**	8.5	**	15.6	6	20.8
Lake	36	15.9	30	13.9	30	13.5	22	10.3	24	11.5	20	10.4	28	14.8	32	17.0	25	13.5	29	16.5
Marion	72	16.1	66	15.0	61	13.8	83	19.0	62	13.9	63	14.5	51	11.4	59	13.4	65	14.0	47	10.2
St. Joseph	21	30.1	15	22.3	14	18.6	14	20.6	10	14.9	5	7.1	14	20.3	14	19.9	17	25.4	8	11.3
Vanderburgh	**	9.9	5	17.4	**	14.8	**	10.8	7	24.3	**	8.0	**	8.1	**	13.7	**	6.9	**	13.6
<b>RATIO</b>																				
Allen	5.6		3.2		4.1		2.7		5.0		3.6		7.7		3.7		2.2		1.8	
Elkhart	2.7		3.2		3.9		4.5		2.1		2.0		4.4		1.7		3.8		3.3	
Lake	2.1		1.7		2.5		1.7		2.7		1.4		1.6		3.3		2.5		4.4	
Marion	2.5		2.3		3.1		2.6		2.2		2.2		2.5		1.9		3.0		1.7	
St. Joseph	4.6		3.3		4.5		3.3		2.3		1.2		5.3		5.9		3.9		1.9	
Vanderburgh	1.1		2.1		2.2		1.5		5.9		1.4		0.9		1.3		0.8		5.0	

Rate per 1,000 live births.

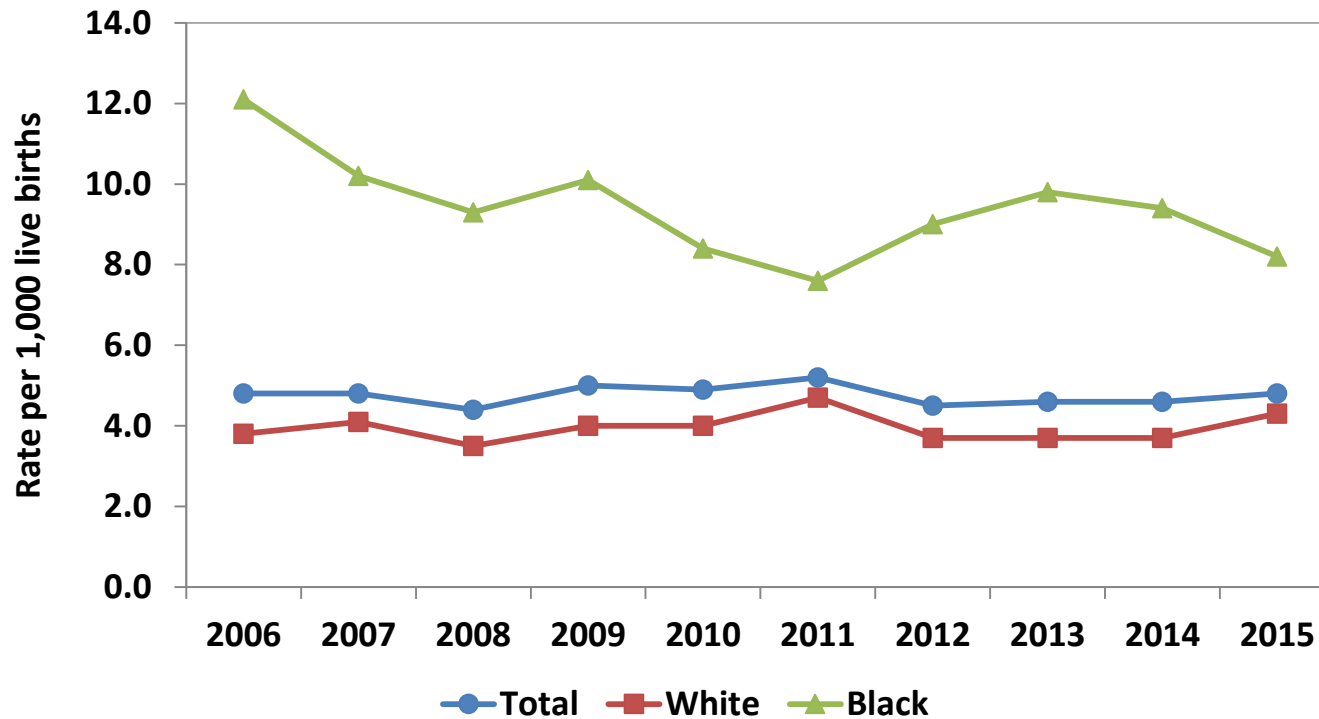
\*\*<5 deaths are suppressed, includes zero values

Shaded Area: Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Indiana Residents, 2006 – 2015

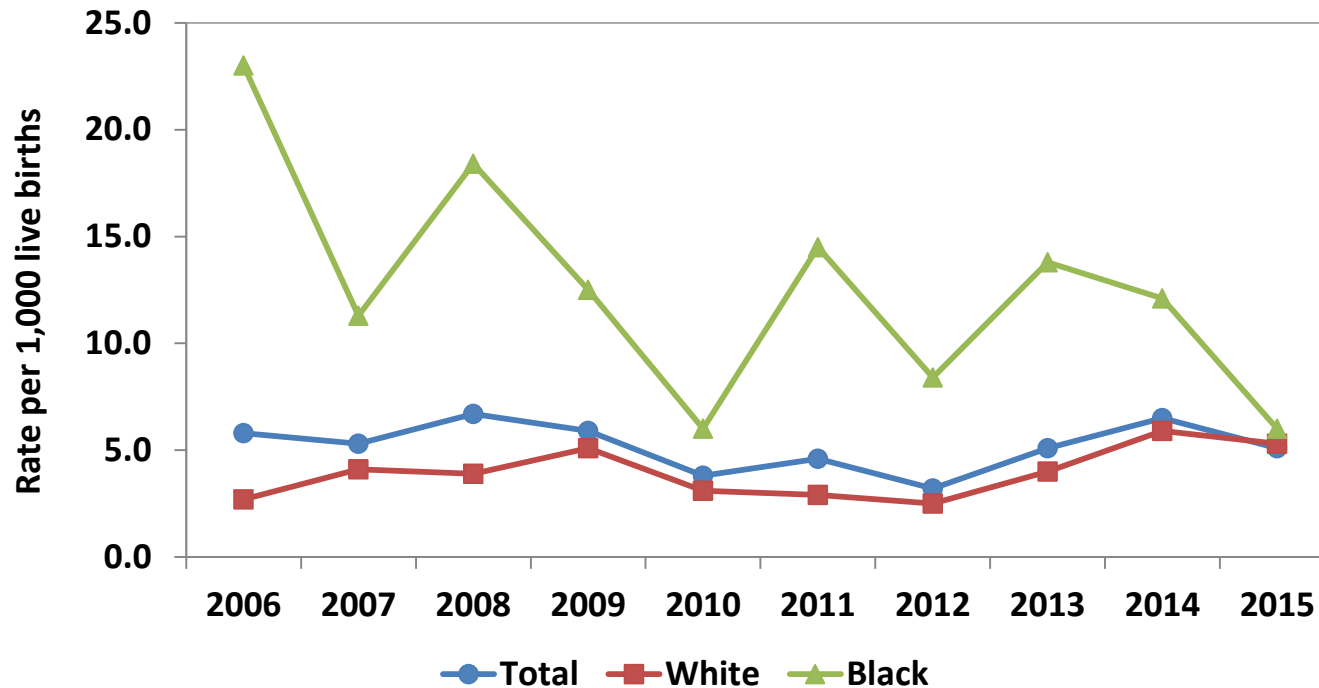


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	4.8	4.8	4.4	5.0	4.9	5.2	4.5	4.6	4.6	4.8
White	3.8	4.1	3.5	4.0	4.0	4.7	3.7	3.7	3.7	4.3
Black	12.1	10.2	9.3	10.1	8.4	7.6	9.0	9.8	9.4	8.2

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Allen County Residents, 2006 – 2015



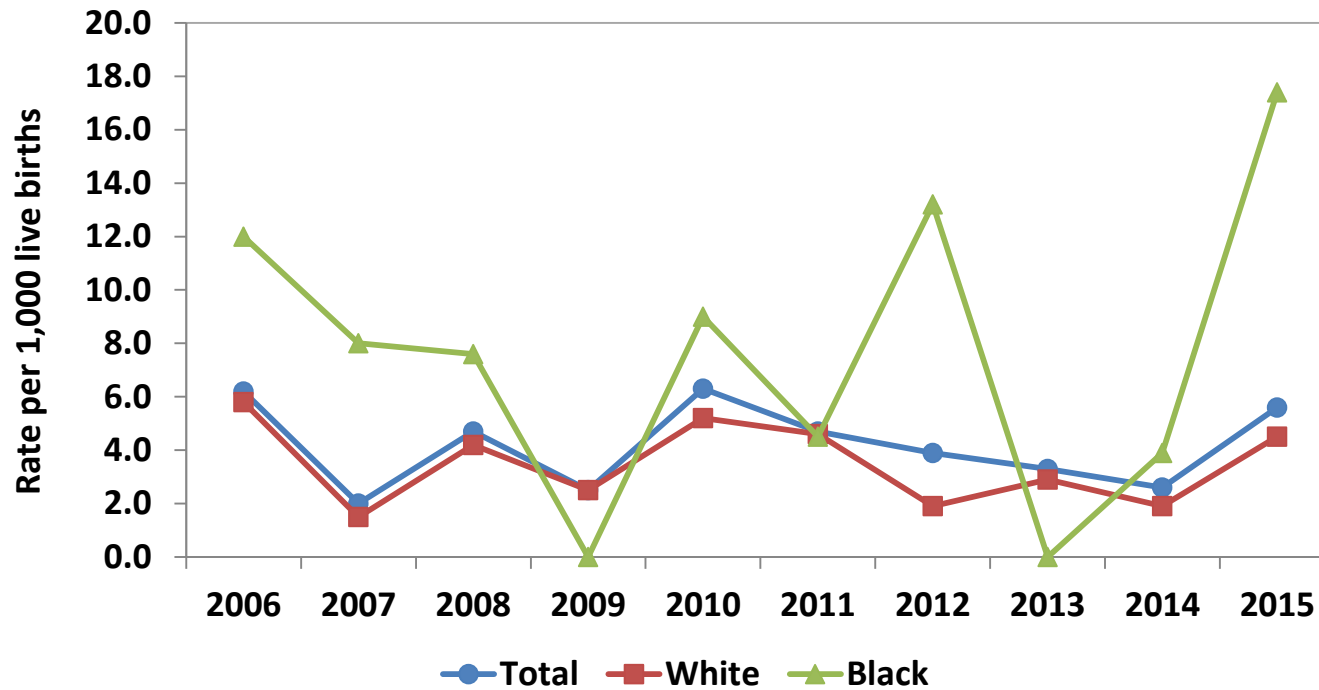
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	5.8	5.3	6.7	5.9	3.8	4.6	3.2*	5.1	6.5	5.1
White	2.7*	4.1*	3.9*	5.1	3.1*	2.9*	2.5*	4.0*	5.9	5.3
Black	23.0	11.3*	18.4*	12.5*	6.0*	14.5*	8.4*	13.8*	12.1*	6.0*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Elkhart County Residents, 2006 – 2015



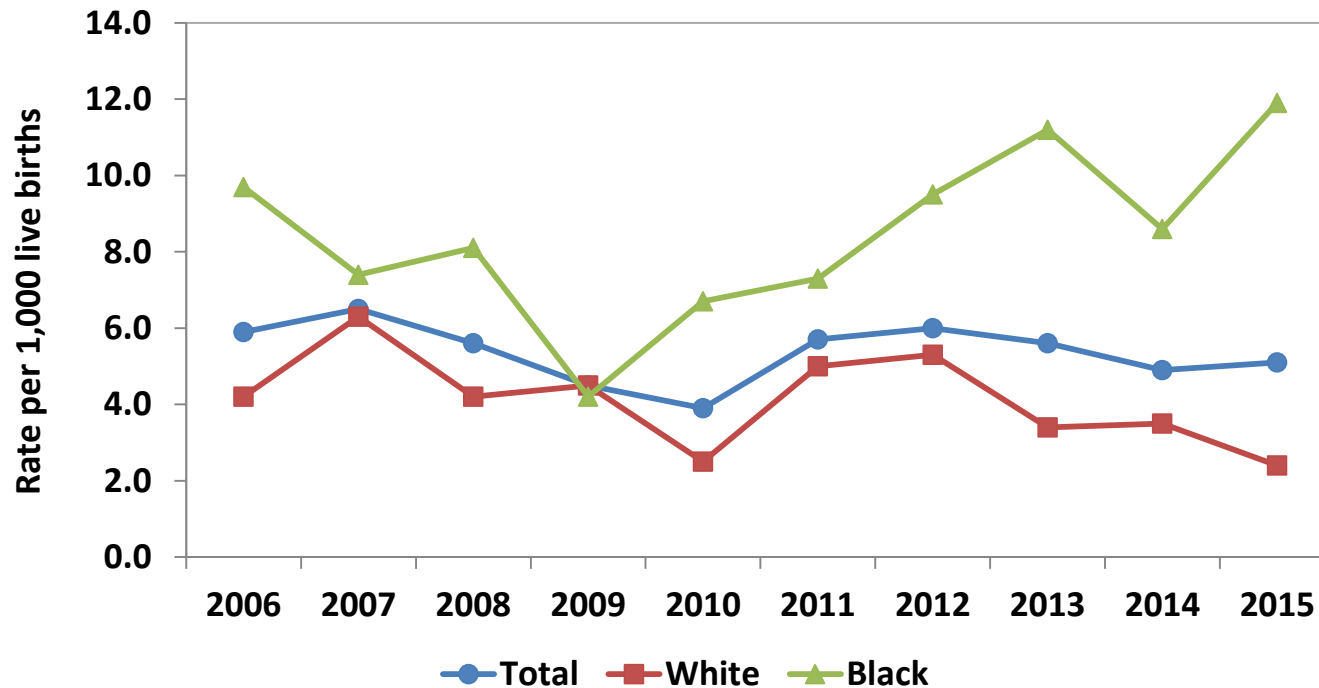
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	6.2	2.0*	4.7*	2.5*	6.3*	4.7*	3.9*	3.3*	2.6*	5.6*
White	5.8*	1.5*	4.2*	2.5*	5.2*	4.6*	1.9*	2.9*	1.9*	4.5*
Black	12.0*	8.0*	7.6*	0.0*	9.0*	4.5*	13.2*	0.0*	3.9*	17.4*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Lake County Residents, 2006 – 2015



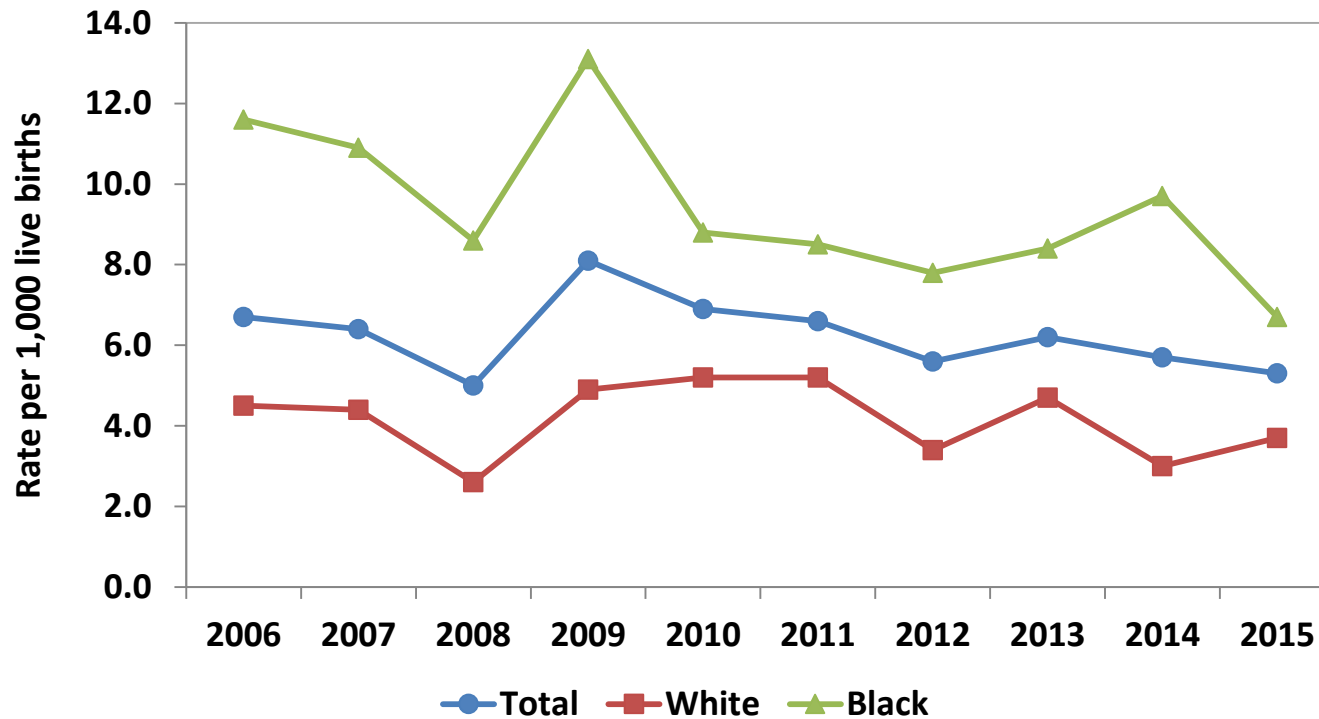
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	5.9	6.5	5.6	4.5	3.9	5.7	6.0	5.6	4.9	5.1
White	4.2*	6.3	4.2*	4.5*	2.5*	5.0*	5.3*	3.4*	3.5*	2.4*
Black	9.7	7.4*	8.1*	4.2*	6.7*	7.3*	9.5*	11.2	8.6*	11.9

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Marion County Residents, 2006 – 2015

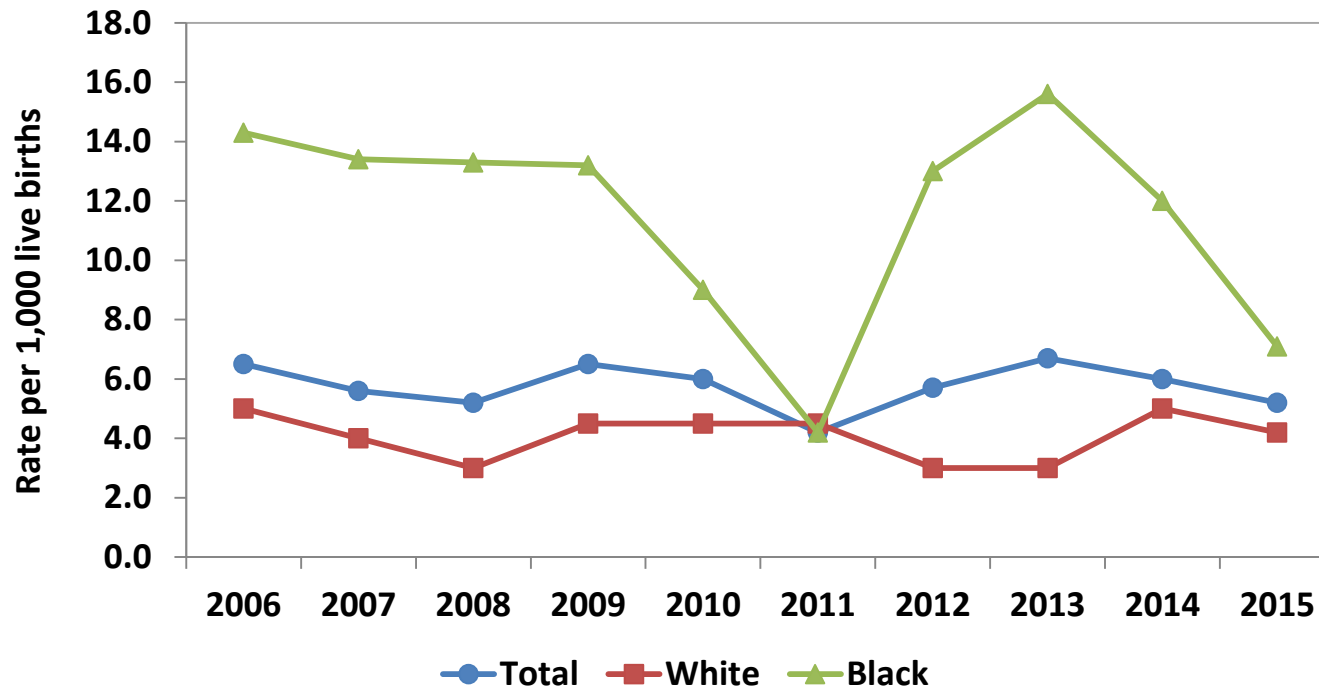


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	6.7	6.4	5.0	8.1	6.9	6.6	5.6	6.2	5.7	5.3
<b>White</b>	4.5	4.4	2.6	4.9	5.2	5.2	3.4	4.7	3.0	3.7
<b>Black</b>	11.6	10.9	8.6	13.1	8.8	8.5	7.8	8.4	9.7	6.7

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race St. Joseph County Residents, 2006 – 2015



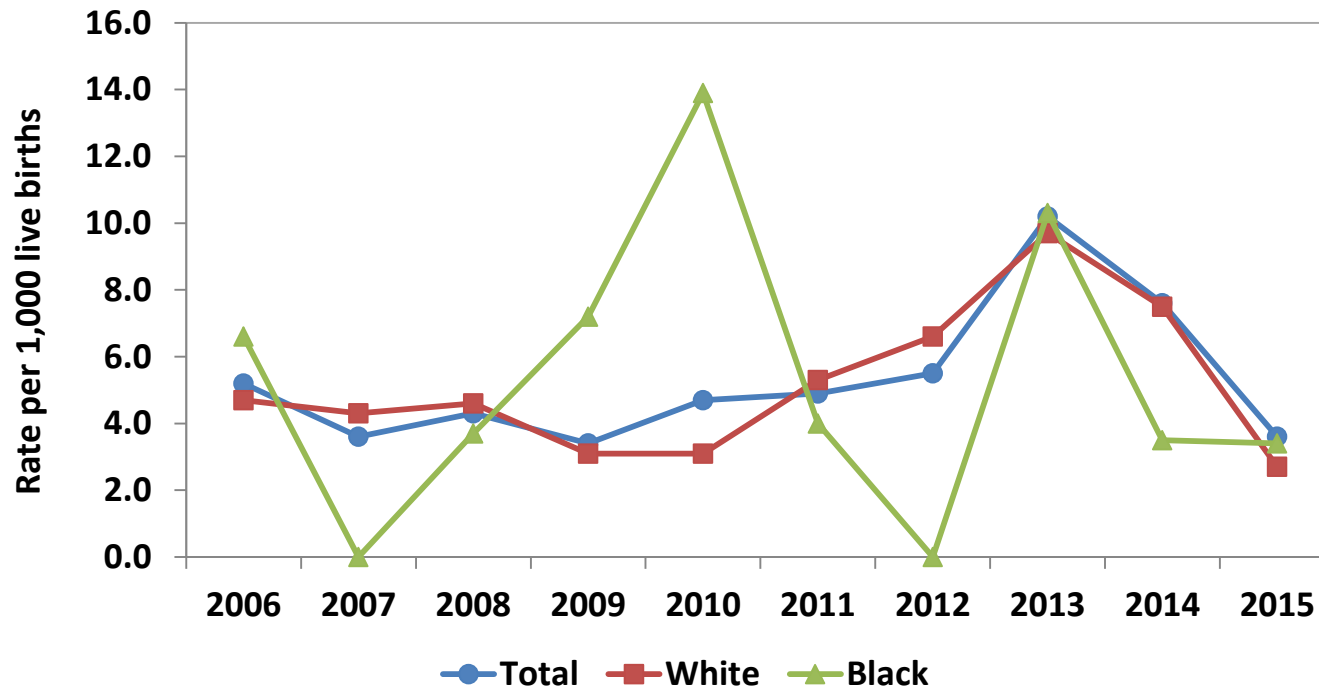
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	6.5	5.6	5.2	6.5	6.0	4.2*	5.7	6.7	6.0	5.2*
White	5.0*	4.0*	3.0*	4.5*	4.5*	4.5*	3.0*	3.0*	5.0*	4.2*
Black	14.3*	13.4*	13.3*	13.2*	9.0*	4.2*	13.0*	15.6*	12.0*	7.1*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Neonatal Mortality Rates by Race Vanderburgh County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	5.2*	3.6*	4.3*	3.4*	4.7*	4.9*	5.5*	10.2	7.6*	3.6*
White	4.7*	4.3*	4.6*	3.1*	3.1*	5.3*	6.6*	9.7*	7.5*	2.7*
Black	6.6*	0.0*	3.7*	7.2*	13.9*	4.0*	0.0*	10.3*	3.5*	3.4*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Neonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates Indiana Residents, 2006 – 2015

	2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>INDIANA</b>	433	4.8	428	4.8	387	4.4	428	5.0	407	4.9	435	5.2	371	4.5	381	4.6	388	4.6	407	4.8
White	296	3.8	313	4.1	258	3.5	290	4.0	282	4.0	327	4.7	250	3.7	248	3.7	258	3.7	295	4.3
Black	126	12.1	105	10.2	98	9.3	103	10.1	84	8.4	75	7.6	90	9.0	98	9.8	98	9.4	85	8.2
Ratio		3.2		2.5		2.7		2.5		2.1		1.6		2.4		2.6		2.5		1.9
<b>ALL RACES</b>	238	6.3	208	5.6	196	5.3	225	6.1	196	5.6	195	5.6	179	5.2	205	6.0	193	5.6	177	5.1
Allen	32	5.8	29	5.3	37	6.7	32	5.9	20	3.8	24	4.6	17	3.2	26	5.1	34	6.5	27	5.1
Elkhart	22	6.2	7	2.0	16	4.7	8	2.5	19	6.3	14	4.7	12	3.9	10	3.4	8	2.6	18	5.6
Lake	41	5.9	44	6.5	37	5.6	30	4.5	25	3.9	35	5.7	36	6.0	34	5.6	30	4.9	30	5.1
Marion	104	6.7	98	6.4	76	5.0	124	8.1	100	6.9	96	6.6	81	5.6	88	6.2	83	5.7	76	5.3
St. Joseph	26	6.5	21	5.6	20	5.2	23	6.5	21	6.0	15	4.2	20	5.7	24	6.7	21	6.0	18	5.2
Vanderburgh	13	5.2	9	3.6	10	4.3	8	3.4	11	4.7	11	4.9	13	5.5	23	10.2	17	7.6	8	3.6
<b>WHITE</b>	124	4.4	118	4.3	90	3.4	115	4.4	103	4.2	112	4.6	84	3.6	98	4.4	95	4.0	91	3.8
Allen	12	2.7	18	4.1	16	3.9	21	5.1	13	3.1	12	2.9	10	2.5	15	4.0	23	5.9	21	5.3
Elkhart	19	5.8	5	1.5	13	4.2	7	2.5	14	5.2	12	4.6	5	1.9	7	2.9	5	1.9	12	4.5
Lake	19	4.2	28	6.3	17	4.2	19	4.5	10	2.5	18	5.0	18	5.3	12	3.4	13	3.5	9	2.4
Marion	48	4.5	46	4.4	26	2.6	50	4.9	48	5.2	48	5.2	30	3.4	38	4.7	27	3.0	33	3.7
St. Joseph	16	5.0	12	4.0	9	3.1	12	4.5	12	4.5	12	4.5	8	3.0	8	3.0	13	5.0	11	4.2
Vanderburgh	10	4.7	9	4.3	9	4.6	6	3.1	6	3.1	10	5.3	13	6.6	18	9.7	14	7.5	5	2.7
<b>BLACK</b>	109	12.3	85	9.8	86	9.7	88	10.3	70	8.2	68	8.2	72	8.6	83	10.0	81	9.5	68	8.0
Allen	20	23.0	10	11.3	17	18.4	11	12.5	5	6.0	12	14.5	7	8.4	11	13.8	10	12.1	5	6.0
Elkhart	**	12.0	**	8.0	**	7.6	**	0.0	**	9.0	**	4.5	**	13.2	**	0.0	**	3.9	5	17.4
Lake	22	9.7	16	7.4	18	8.1	9	4.2	14	6.7	14	7.3	18	9.5	21	11.2	16	8.6	21	11.9
Marion	52	11.6	48	10.9	38	8.6	57	13.1	39	8.8	37	8.5	35	7.8	37	8.4	45	9.7	31	6.7
St. Joseph	10	14.3	9	13.4	10	13.3	9	13.2	6	9.0	**	4.2	9	13.0	11	15.6	8	12.0	5	7.1
Vanderburgh	**	6.6	**	0.0	**	3.7	**	7.2	**	13.9	**	4.0	**	0.0	**	10.3	**	3.4	**	3.4
<b>RATIO</b>																				
Allen		8.5		2.8		4.7		2.5		1.9		5.0		3.4		3.5		2.0		1.1
Elkhart		2.1		5.3		1.8		0.0		1.7		1.0		7.0		0.0		2.1		3.9
Lake		2.3		1.2		1.9		0.9		2.7		1.5		1.8		3.3		2.5		5.0
Marion		2.6		2.5		3.3		2.7		1.7		1.6		2.3		1.8		3.2		1.8
St. Joseph		2.9		3.4		4.3		2.9		2.0		0.9		4.3		5.2		2.4		1.7
Vanderburgh		1.4		0.0		0.8		2.3		4.5		0.8		0.0		1.1		0.5		1.3

Rate per 1,000 live births.

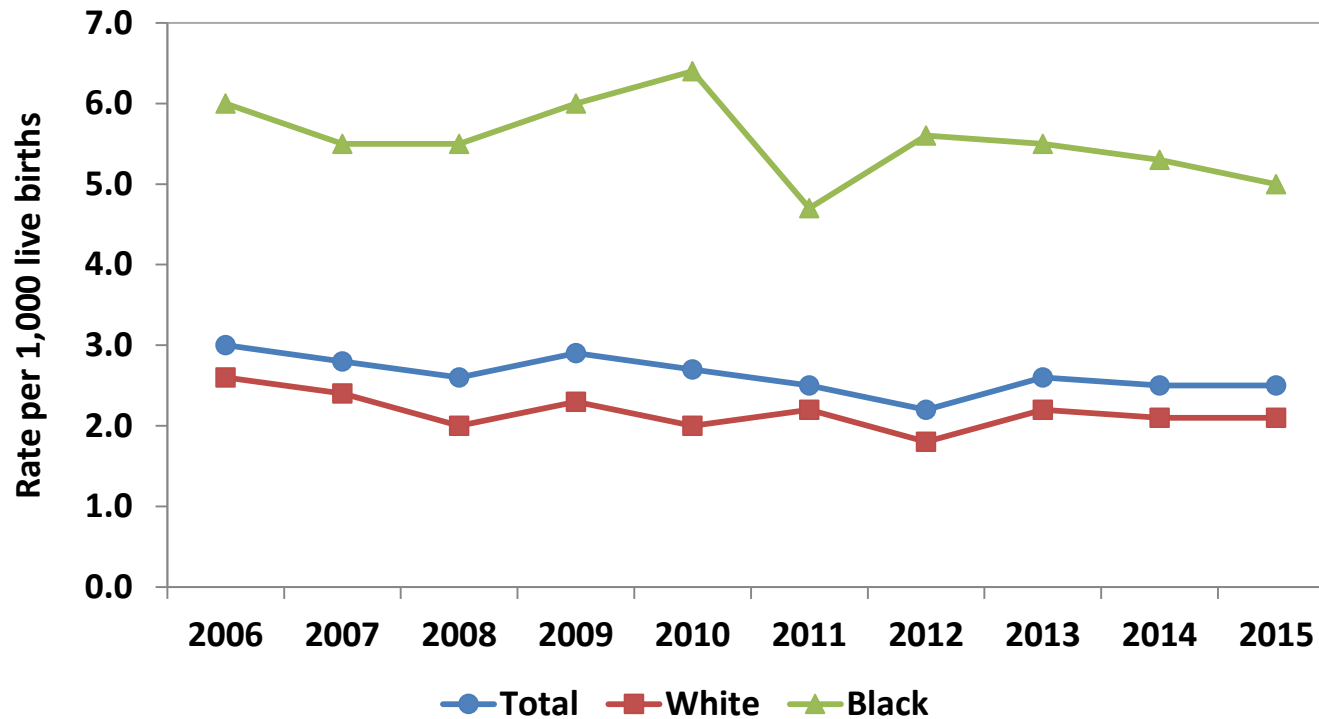
\*\*<5 deaths are suppressed, includes zero values

Shaded Area: Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Indiana Residents, 2006 – 2015

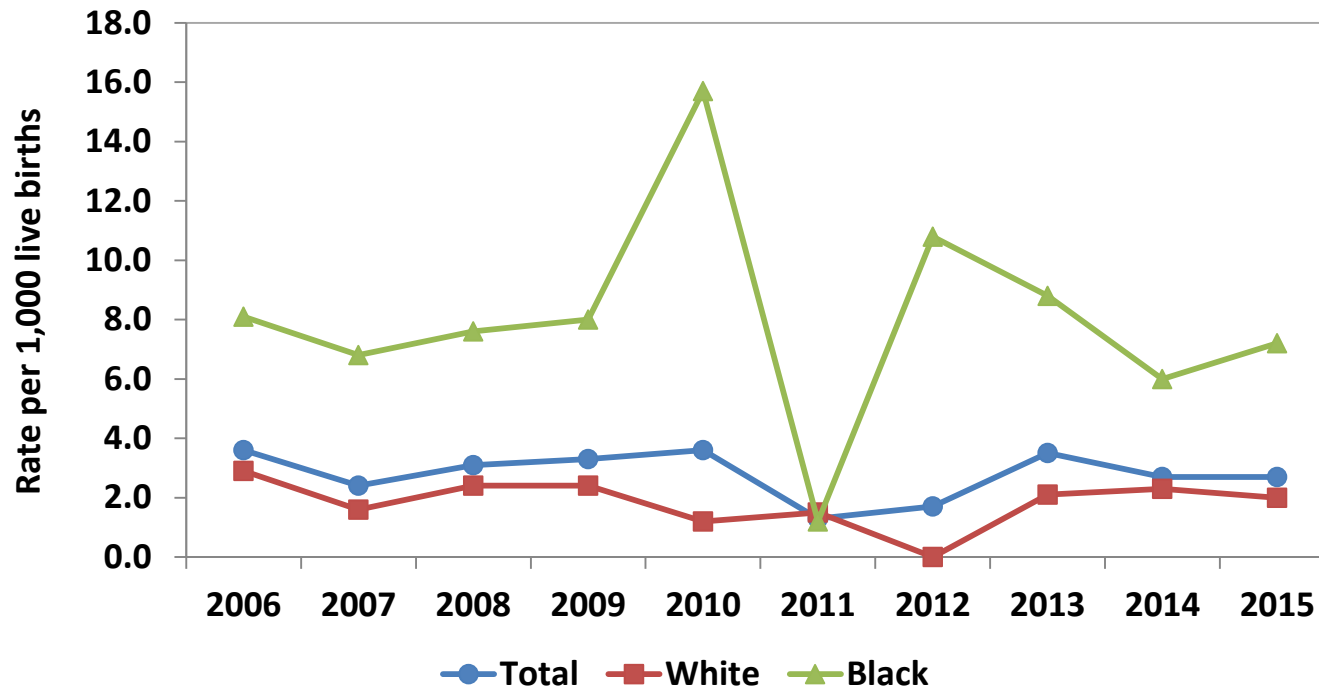


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	3.0	2.8	2.6	2.9	2.7	2.5	2.2	2.6	2.5	2.5
White	2.6	2.4	2.0	2.3	2.0	2.2	1.8	2.2	2.1	2.1
Black	6.0	5.5	5.5	6.0	6.4	4.7	5.6	5.5	5.3	5.0

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Allen County Residents, 2006 – 2015



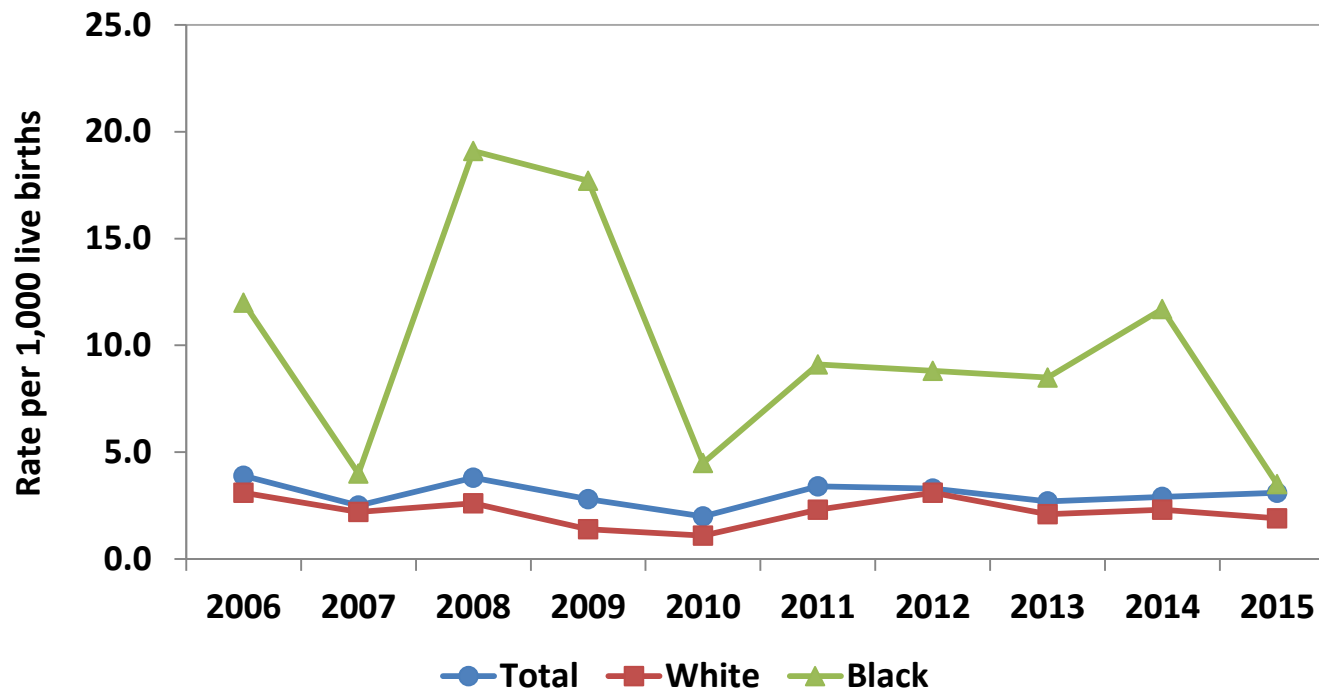
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	3.6	2.4*	3.1*	3.3*	3.6*	1.3*	1.7*	3.5*	2.7*	2.7*
<b>White</b>	2.9*	1.6*	2.4*	2.4*	1.2*	1.5*	0.0*	2.1*	2.3*	2.0*
<b>Black</b>	8.1*	6.8*	7.6*	8.0*	15.7*	1.2*	10.8*	8.8*	6.0*	7.2*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Elkhart County Residents, 2006 – 2015



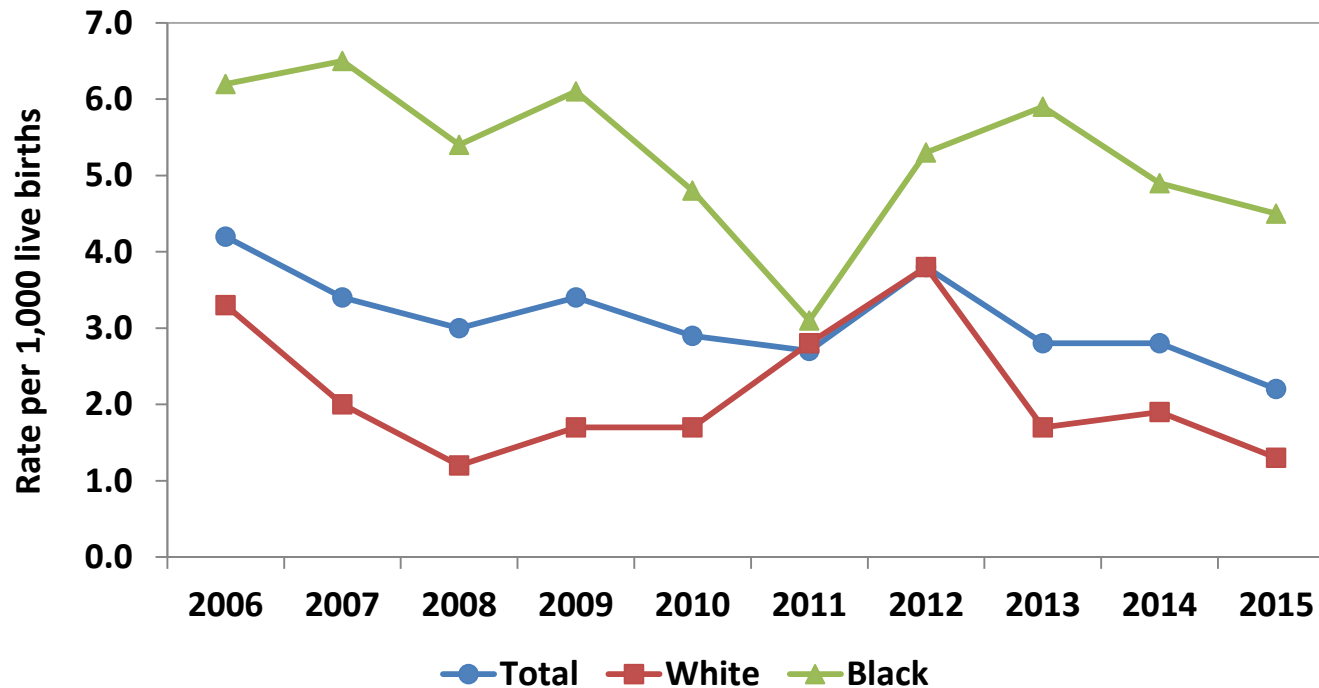
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	3.9*	2.5*	3.8*	2.8*	2.0*	3.4*	3.3*	2.7*	2.9*	3.1*
White	3.1*	2.2*	2.6*	1.4*	1.1*	2.3*	3.1*	2.1*	2.3*	1.9*
Black	12.0*	4.0*	19.1*	17.7*	4.5*	9.1*	8.8*	8.5*	11.7*	3.5*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Lake County Residents, 2006 – 2015



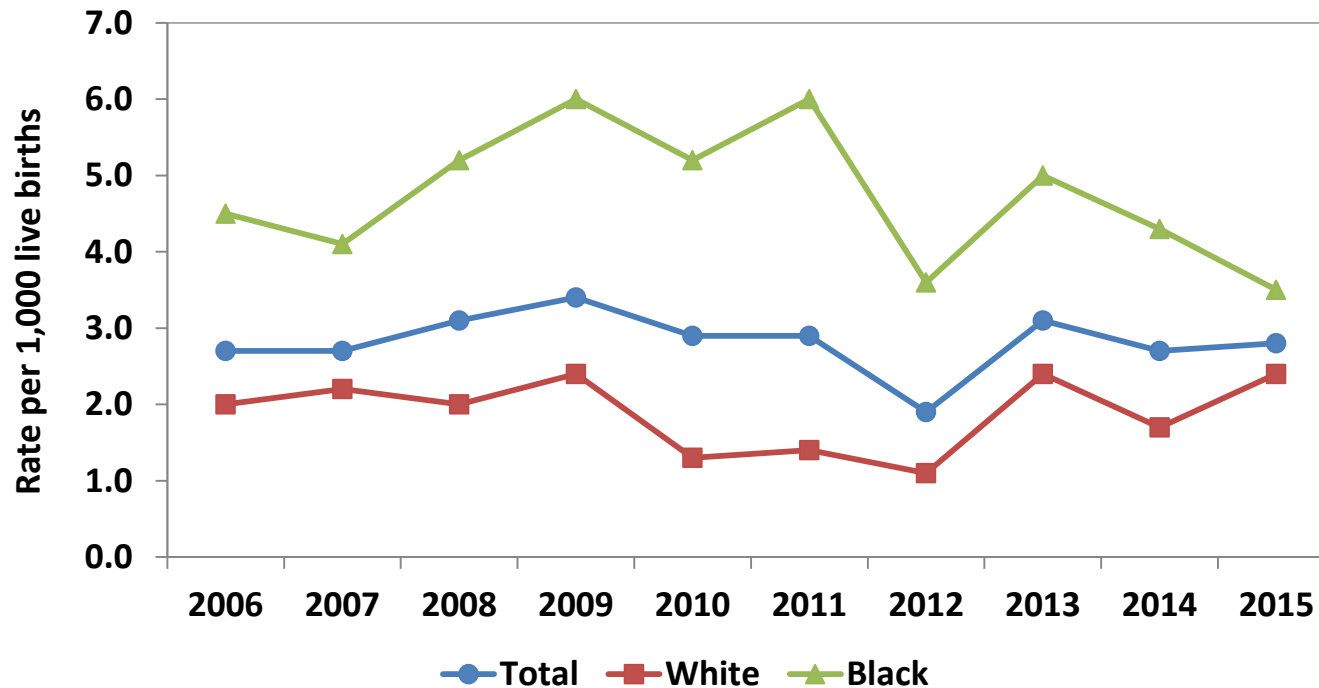
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	4.2	3.4	3.0	3.4	2.9*	2.7*	3.8	2.8*	2.8*	2.2*
White	3.3*	2.0*	1.2*	1.7*	1.7*	2.8*	3.8*	1.7*	1.9*	1.3*
Black	6.2*	6.5*	5.4*	6.1*	4.8*	3.1*	5.3*	5.9*	4.9*	4.5*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Marion County Residents, 2006 – 2015



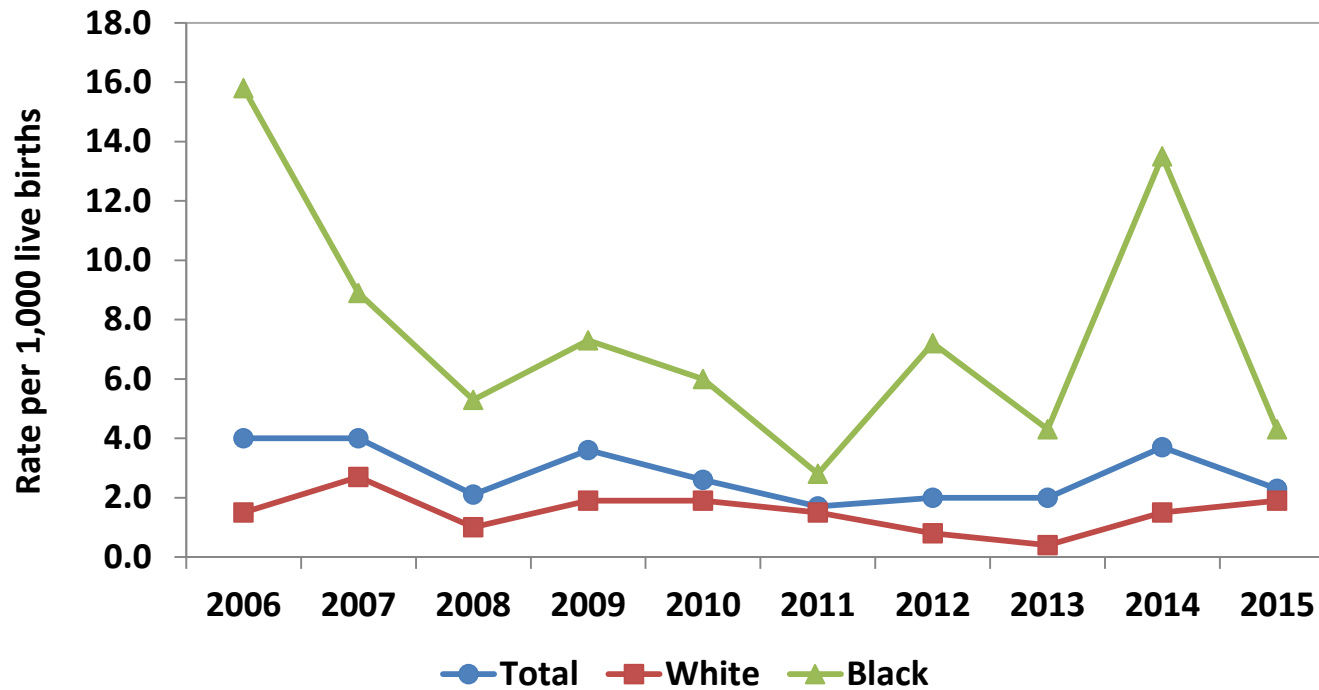
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	2.7	2.7	3.1	3.4	2.9	2.9	1.9	3.1	2.7	2.8
White	2.0	2.2	2.0	2.4	1.3*	1.4*	1.1*	2.4*	1.7*	2.4
Black	4.5	4.1*	5.2	6.0	5.2	6.0	3.6*	5.0	4.3	3.5*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race St. Joseph County Residents, 2006 – 2015



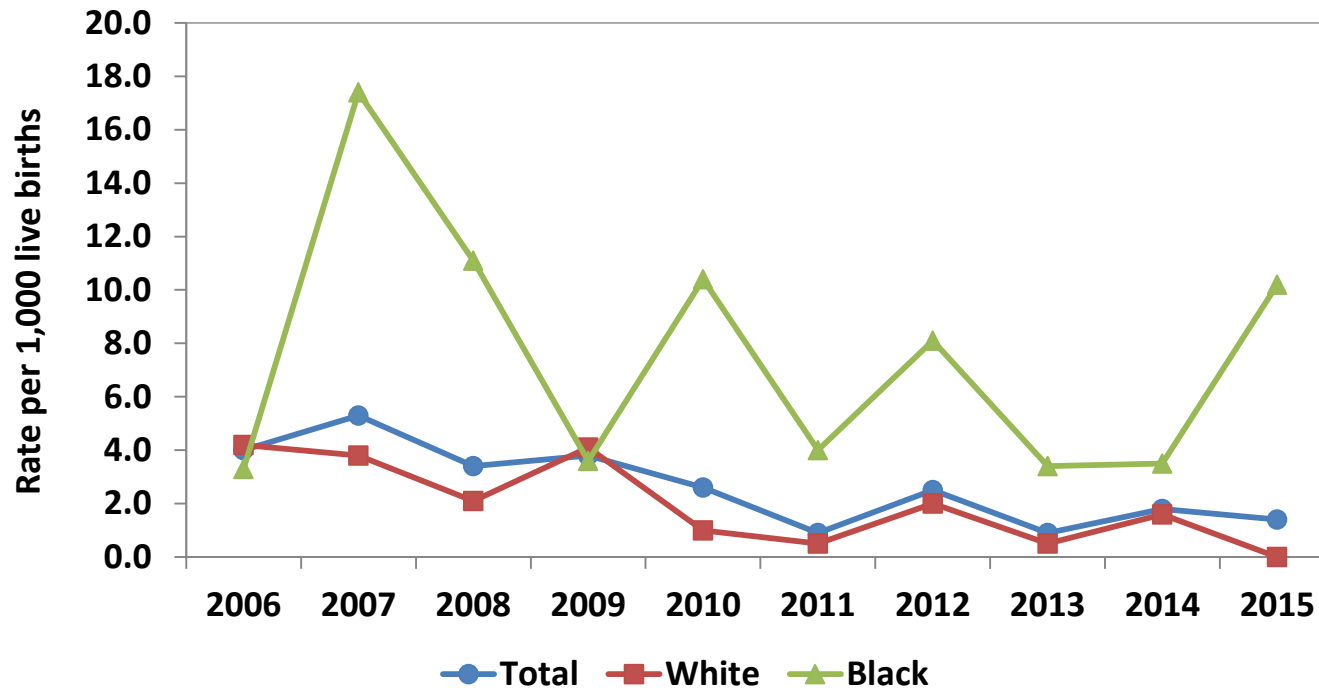
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	4.0*	4.0*	2.1*	3.6*	2.6*	1.7*	2.0*	2.0*	3.7*	2.3*
<b>White</b>	1.5*	2.7*	1.0*	1.9*	1.9*	1.5*	0.8*	0.4*	1.5*	1.9*
<b>Black</b>	15.8*	8.9*	5.3*	7.3*	6.0*	2.8*	7.2*	4.3*	13.5*	4.3*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Post-Neonatal Mortality Rates by Race Vanderburgh County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	4.0*	5.3*	3.4*	3.8*	2.6*	0.9*	2.5*	0.9*	1.8*	1.4*
<b>White</b>	4.2*	3.8*	2.1*	4.1*	1.0*	0.5*	2.0*	0.5*	1.6*	0.0*
<b>Black</b>	3.3*	17.4*	11.1*	3.6*	10.4*	4.0*	8.1*	3.4*	3.5*	10.2*

\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Post-Neonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates Indiana Residents, 2006 – 2015

	2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>INDIANA</b>	269	3.0	249	2.8	229	2.6	247	2.9	223	2.7	208	2.5	185	2.2	213	2.6	209	2.5	206	2.5
White	199	2.6	186	2.4	151	2.0	168	2.3	138	2.0	152	2.2	121	1.8	145	2.2	145	2.1	142	2.1
Black	62	6.0	57	5.5	58	5.5	61	6.0	64	6.4	47	4.7	56	5.6	55	5.5	55	5.3	52	5.0
Ratio	2.3		2.3		2.8		2.6		3.2		2.1		3.1		2.5		2.5		2.4	
<b>ALL RACES</b>	131	3.4	115	3.1	114	3.1	124	3.4	101	2.9	85	2.4	83	2.4	97	2.8	97	2.8	88	2.6
Allen	20	3.6	13	2.4	17	3.1	18	3.3	19	3.6	7	1.3	9	1.7	18	3.5	14	2.7	14	2.7
Elkhart	14	3.9	9	2.5	13	3.8	9	2.8	6	2.0	10	3.4	10	3.3	8	2.7	9	2.9	10	3.1
Lake	29	4.2	23	3.4	20	3.0	23	3.4	19	2.9	17	2.7	23	3.8	17	2.8	17	2.8	13	2.2
Marion	42	2.7	42	2.7	48	3.1	52	3.4	42	2.9	43	2.9	28	1.9	45	3.1	40	2.7	40	2.8
St. Joseph	16	4.0	15	4.0	8	2.1	13	3.6	9	2.6	6	1.7	7	2.0	7	2.0	13	3.7	8	2.3
Vanderburgh	10	4.0	13	5.3	8	3.4	9	3.8	6	2.6	**	0.9	6	2.5	**	0.9	**	1.8	**	1.4
<b>WHITE</b>	73	2.6	62	2.2	50	1.9	58	2.2	34	1.4	40	1.7	37	1.6	40	1.8	44	1.9	44	1.9
Allen	13	2.9	7	1.6	10	2.4	10	2.4	5	1.2	6	1.5	**	0.0	8	2.1	9	2.3	8	2.0
Elkhart	10	3.1	7	2.2	8	2.6	**	1.4	**	1.1	6	2.3	8	3.1	5	2.1	6	2.3	5	1.9
Lake	15	3.3	9	2.0	5	1.2	7	1.7	7	1.7	10	2.8	13	3.8	6	1.7	7	1.9	5	1.3
Marion	21	2.0	23	2.2	20	2.0	24	2.4	12	1.3	13	1.4	10	1.1	19	2.4	15	1.7	21	2.4
St. Joseph	5	1.5	8	2.7	**	1.0	5	1.9	5	1.9	**	1.5	**	0.8	**	0.4	**	1.5	5	1.9
Vanderburgh	9	4.2	8	3.8	**	2.1	8	4.1	**	1.0	**	0.5	4	2.0	**	0.5	**	1.6	**	0.0
<b>BLACK</b>	56	6.3	50	5.8	54	6.1	56	6.5	54	6.3	38	4.6	44	5.3	46	5.5	47	5.5	37	4.4
Allen	7	8.1	6	6.8	7	7.6	7	8.0	13	15.7	**	1.2	9	10.8	7	8.8	5	6.0	6	7.2
Elkhart	**	12.0	**	4.0	5	19.1	**	17.7	**	4.5	**	9.1	**	8.8	**	8.5	**	11.7	**	3.5
Lake	14	6.2	14	6.5	12	5.4	13	6.1	10	4.8	6	3.1	10	5.3	11	5.9	9	4.9	8	4.5
Marion	20	4.5	18	4.1	23	5.2	26	6.0	23	5.2	26	6.0	16	3.6	22	5.0	20	4.3	16	3.5
St. Joseph	11	15.8	6	8.9	**	5.3	5	7.3	**	6.0	**	2.8	5	7.2	**	4.3	9	13.5	**	4.3
Vanderburgh	**	3.3	5	17.4	**	11.1	**	3.6	**	10.4	**	4.0	**	8.1	**	3.4	**	3.4	**	10.2
<b>RATIO</b>																				
Allen	2.8		4.3		3.2		3.3		13.1		0.8		N/A		4.2		2.6		3.6	
Elkhart	3.9		1.8		7.3		12.6		4.1		4.0		2.8		4.0		5.2		1.9	
Lake	1.9		3.3		4.5		3.6		2.8		1.1		1.4		3.5		2.6		3.4	
Marion	2.3		1.9		2.6		2.5		4.0		4.3		3.3		2.1		2.6		1.5	
St. Joseph	10.5		3.3		5.3		3.8		3.2		1.9		9.0		10.8		8.8		2.2	
Vanderburgh	0.8		4.6		5.3		0.9		10.4		8.0		4.1		6.8		2.1		N/A	

Rate per 1,000 live births.

\*\*<5 deaths are suppressed, includes zero values

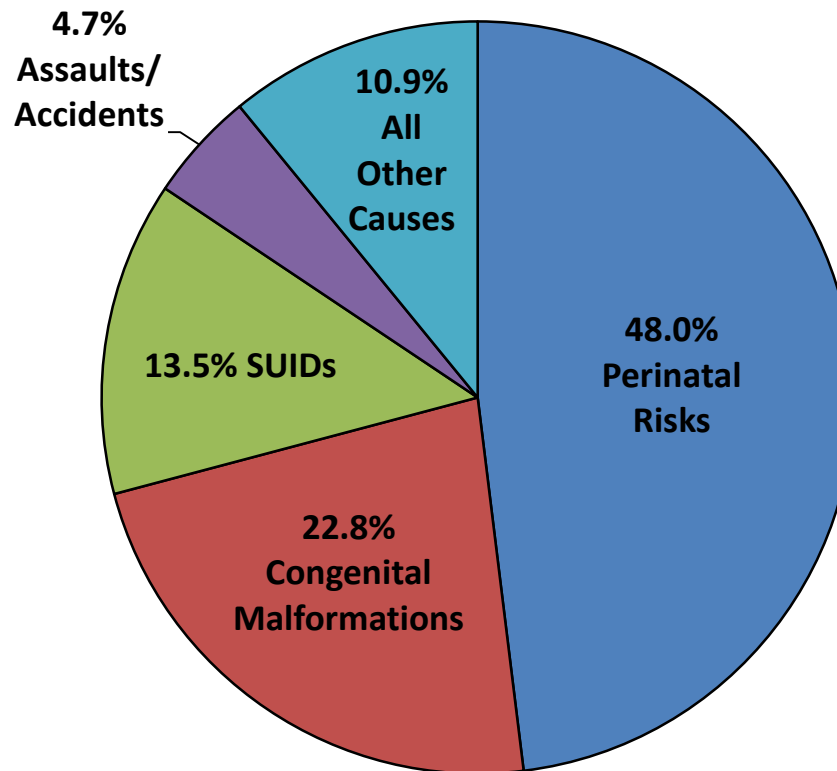
Shaded Area: Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality by Cause Indiana Residents, 2015

**N = 613**

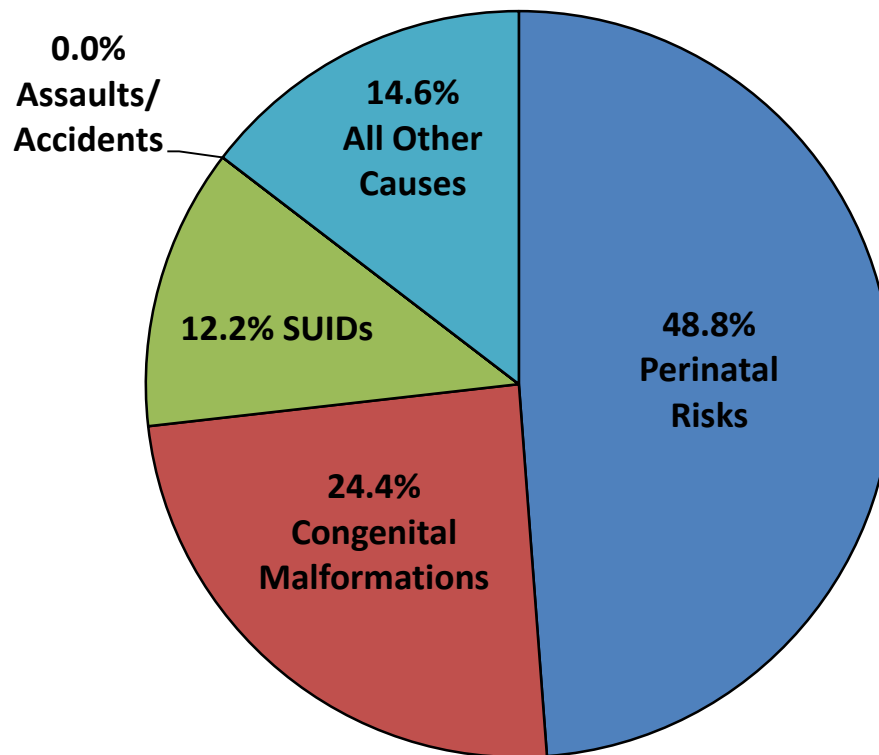


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

## Infant Mortality by Cause Allen County Residents, 2015

**N = 41**

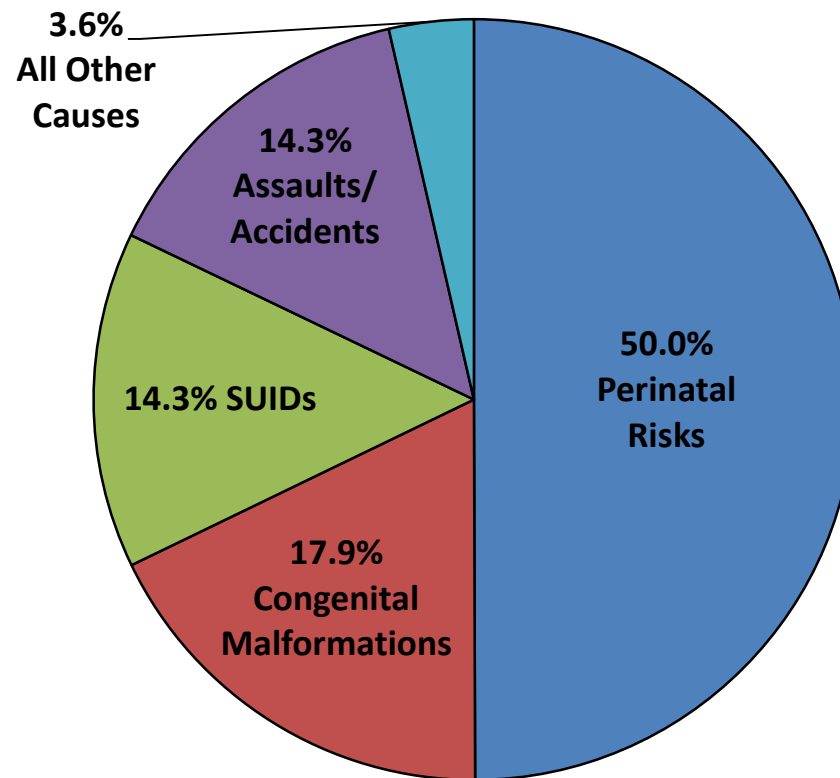


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

## Infant Mortality by Cause Elkhart County Residents, 2015

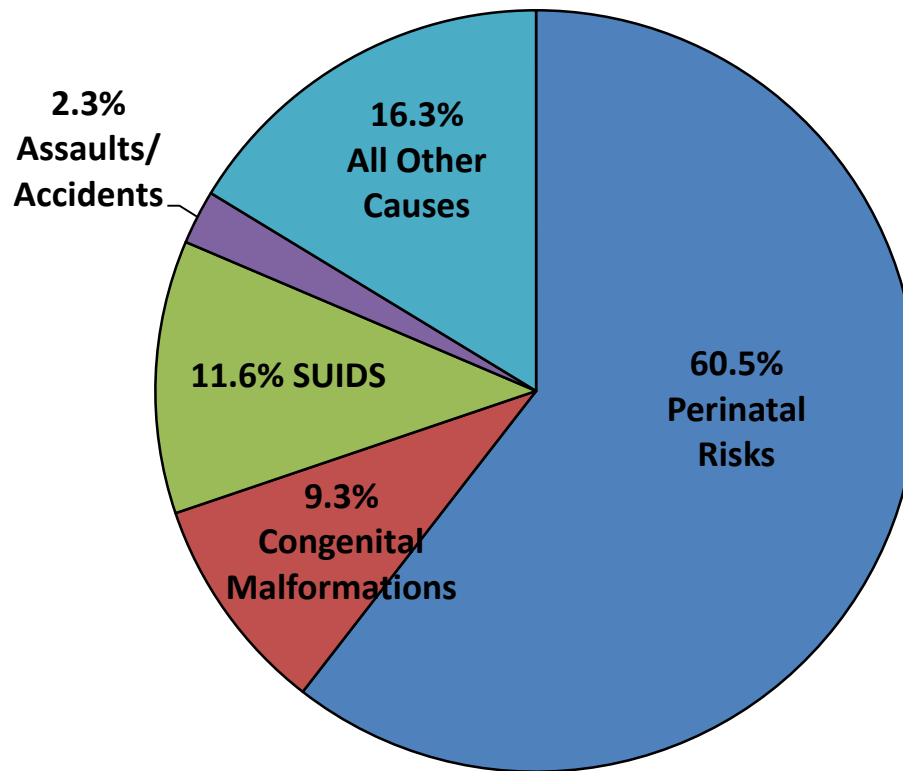
**N = 28**



Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

# Infant Mortality by Cause Lake County Residents, 2015 N = 43

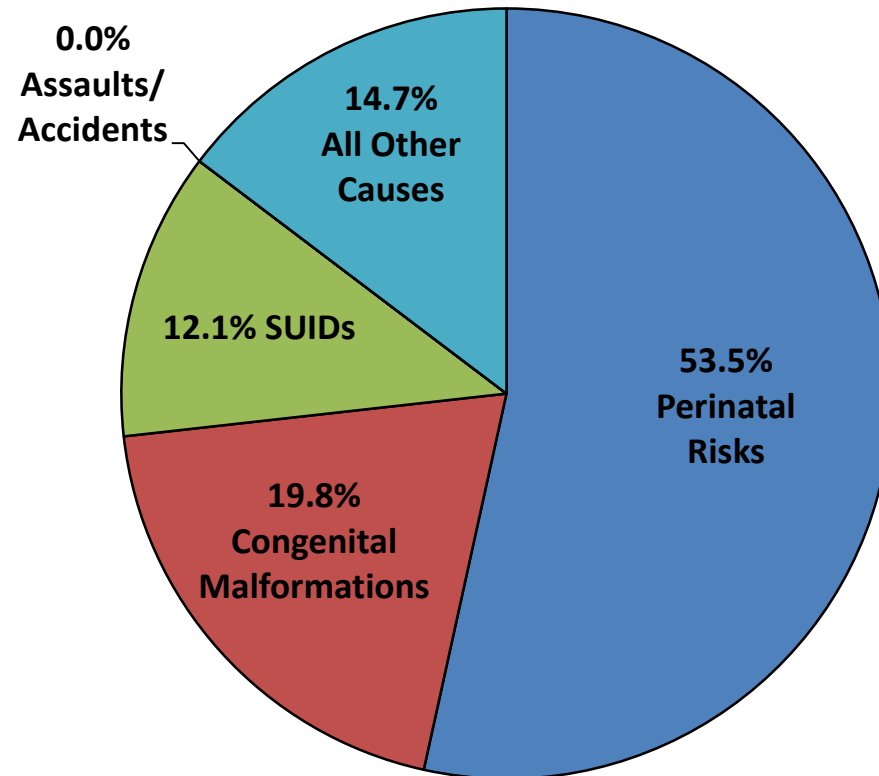


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

## Infant Mortality by Cause Marion County Residents, 2015

**N = 116**

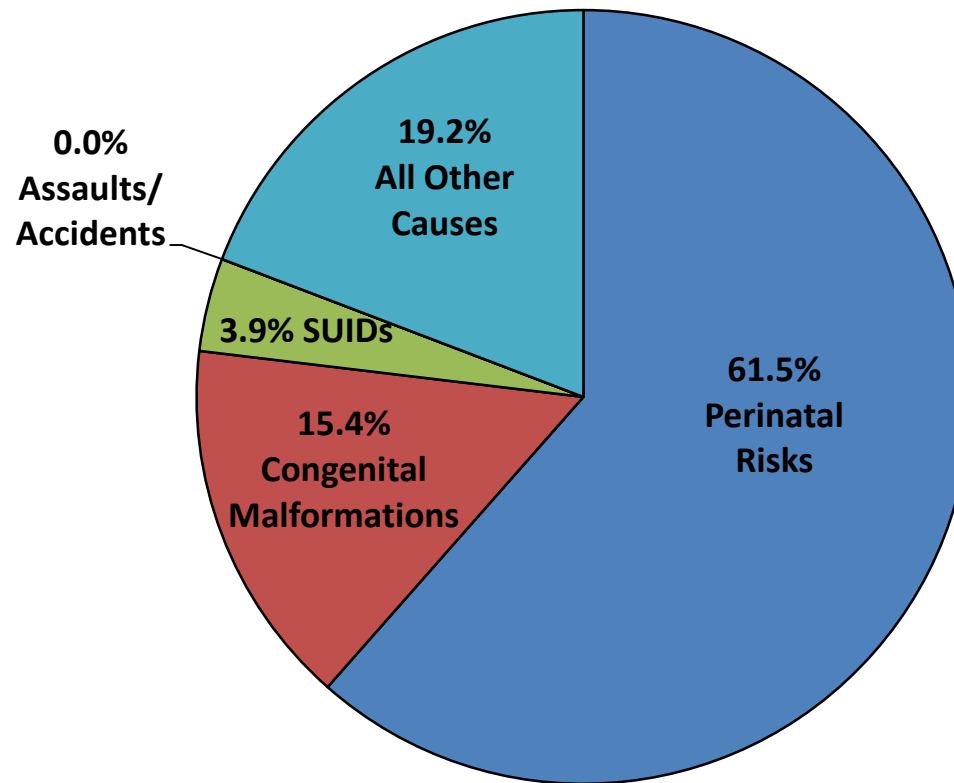


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

## Infant Mortality by Cause St. Joseph County Residents, 2015

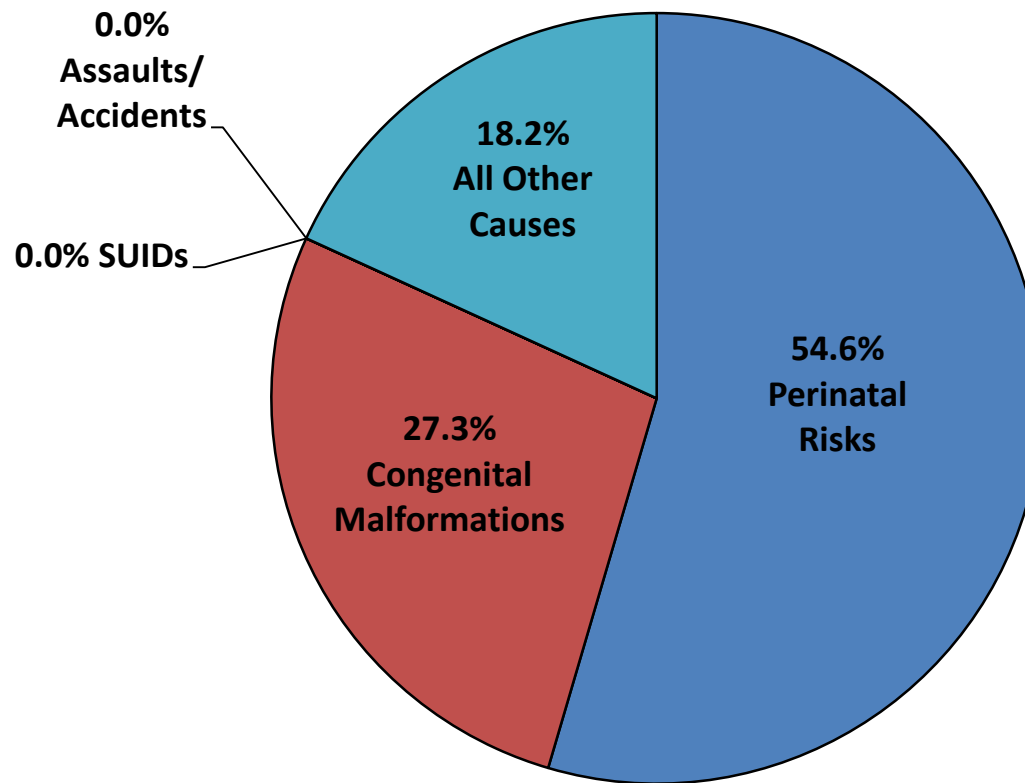
**N = 26**



Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

# Infant Mortality by Cause Vanderburgh County Residents, 2015 N = 11

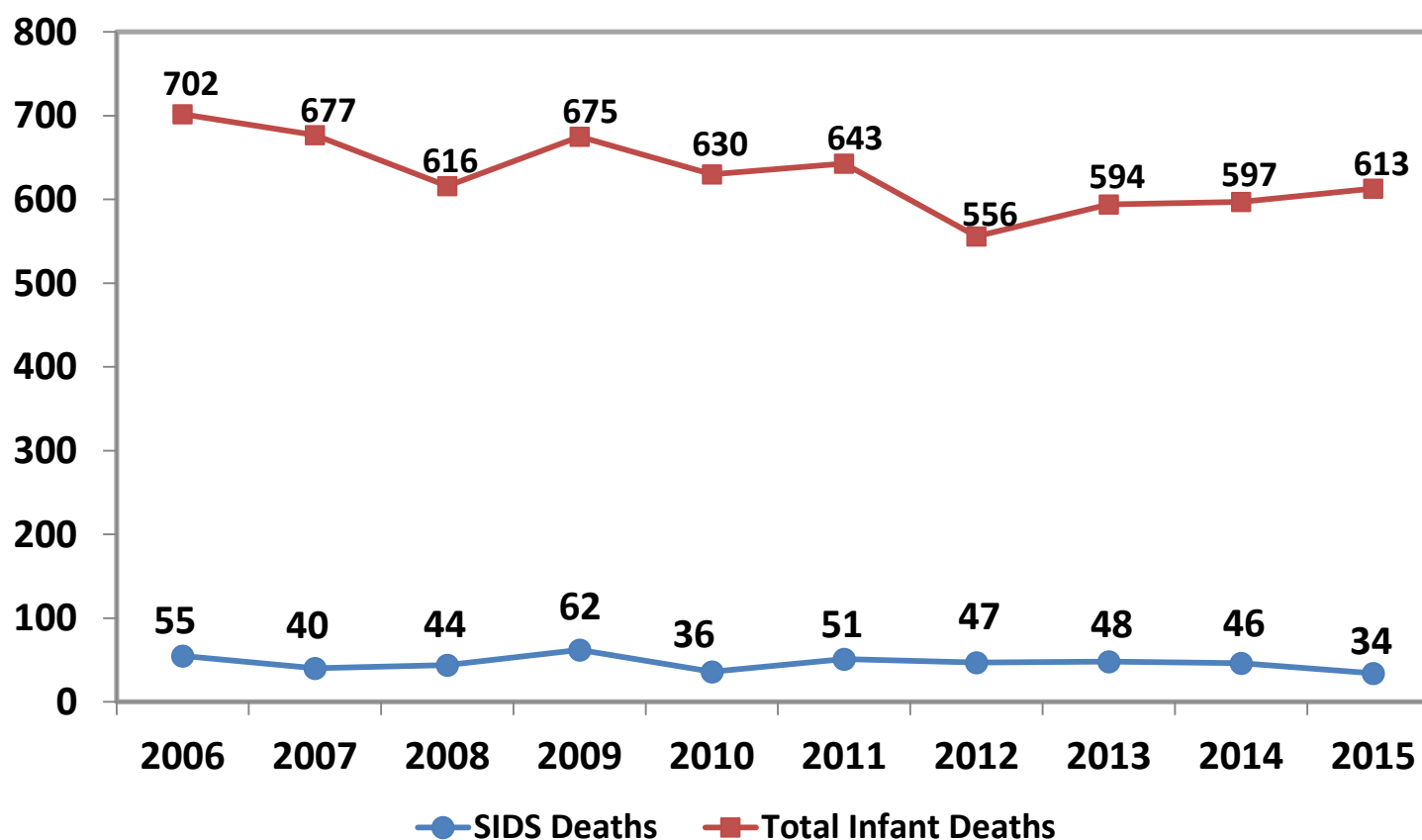


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infant Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and other accidents include deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). For ICD-10 codes included in these categories, refer to Appendix A.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017



## Number of SIDS<sup>^</sup> Deaths Indiana Residents, 2006 – 2015

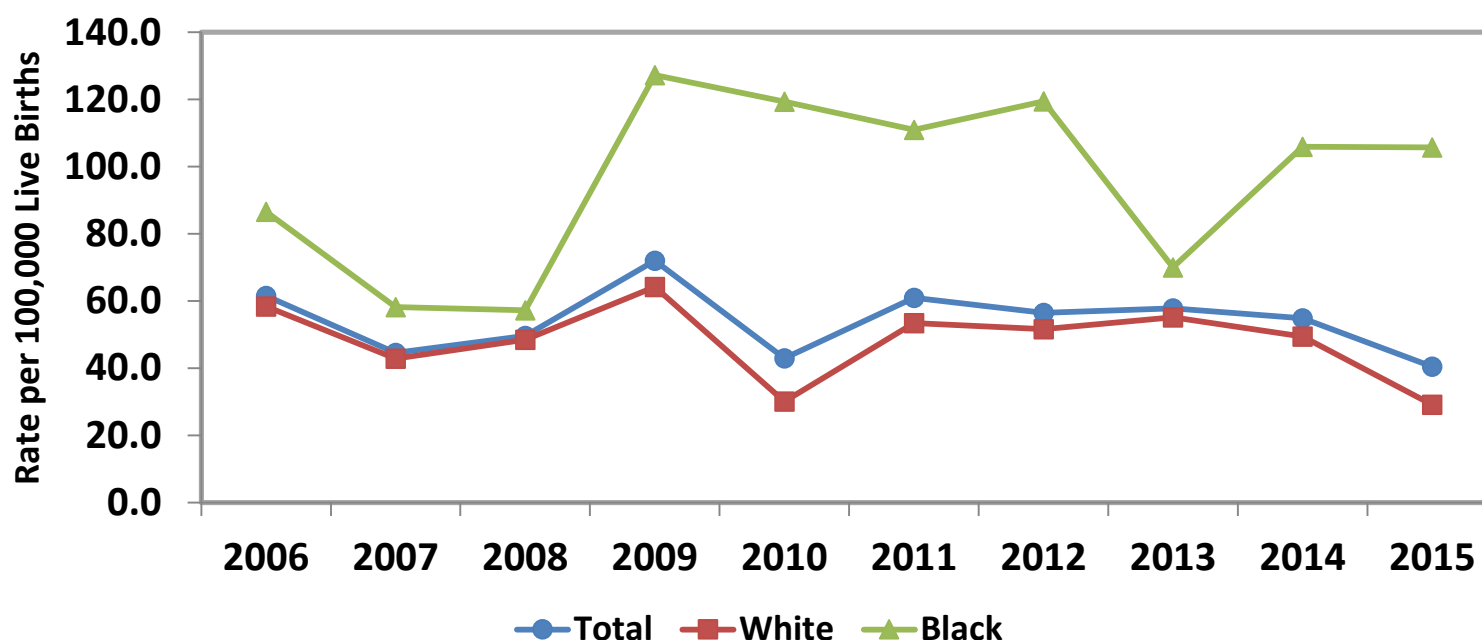


<sup>^</sup> Sudden Infant Death Syndrome (SIDS) ICD-10 Code R95

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## SIDS<sup>^</sup> Mortality Rates by Race Indiana Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	61.5	44.6	49.6	72.0	42.9	60.9	56.5	57.8	54.8	40.5
White	58.4	42.8	48.5	64.2	30.1	53.4	51.6	55.1	49.4	29.1
Black	86.6*	58.2*	57.2*	127.3*	119.4*	111.0*	119.5*	70.0*	105.9*	105.7*

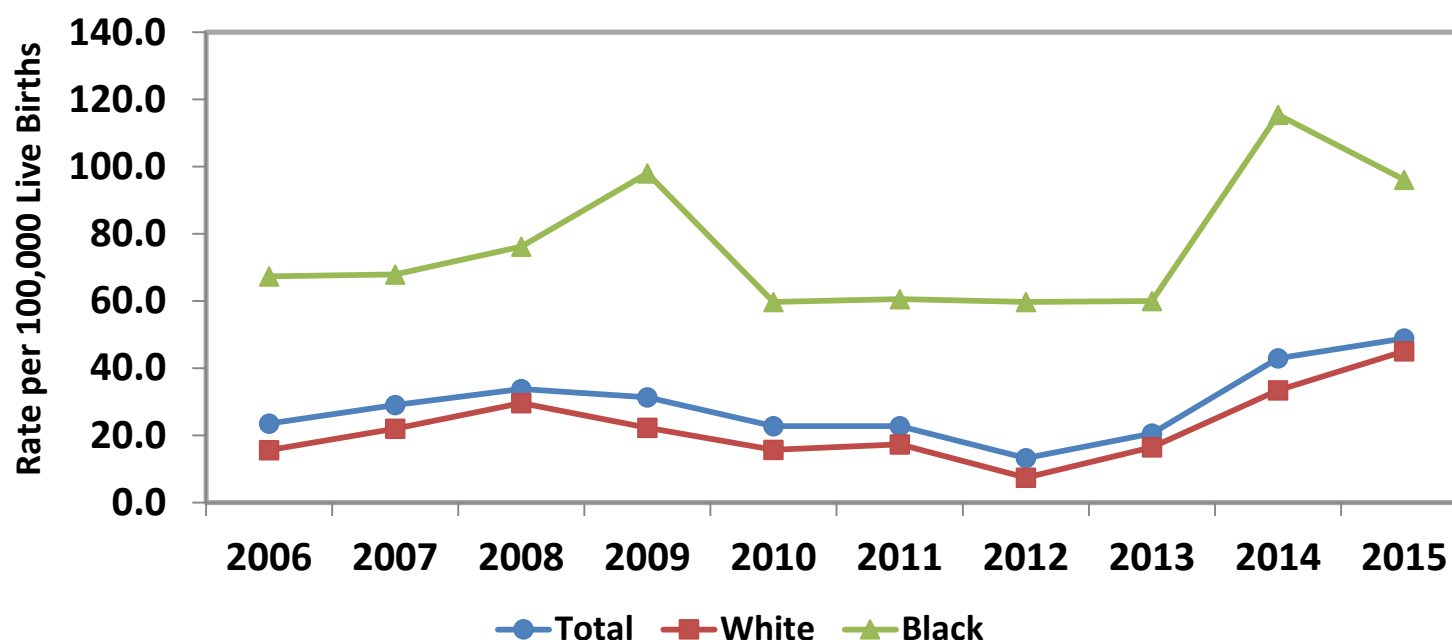
\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

<sup>^</sup> Sudden Infant Death Syndrome (SIDS) ICD-10 Code R95

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Suffocation<sup>^</sup> Mortality Rates by Race Indiana Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	23.5	29.0	33.8	31.3	22.7*	22.7*	13.2*	20.5*	42.9	48.8
White	15.6*	22.0*	29.6	22.3*	15.7*	17.3*	7.4*	16.4*	33.4	45.0
Black	67.3*	67.9*	76.2*	98.0*	59.7*	60.6*	59.7*	60.0*	115.5*	96.1*

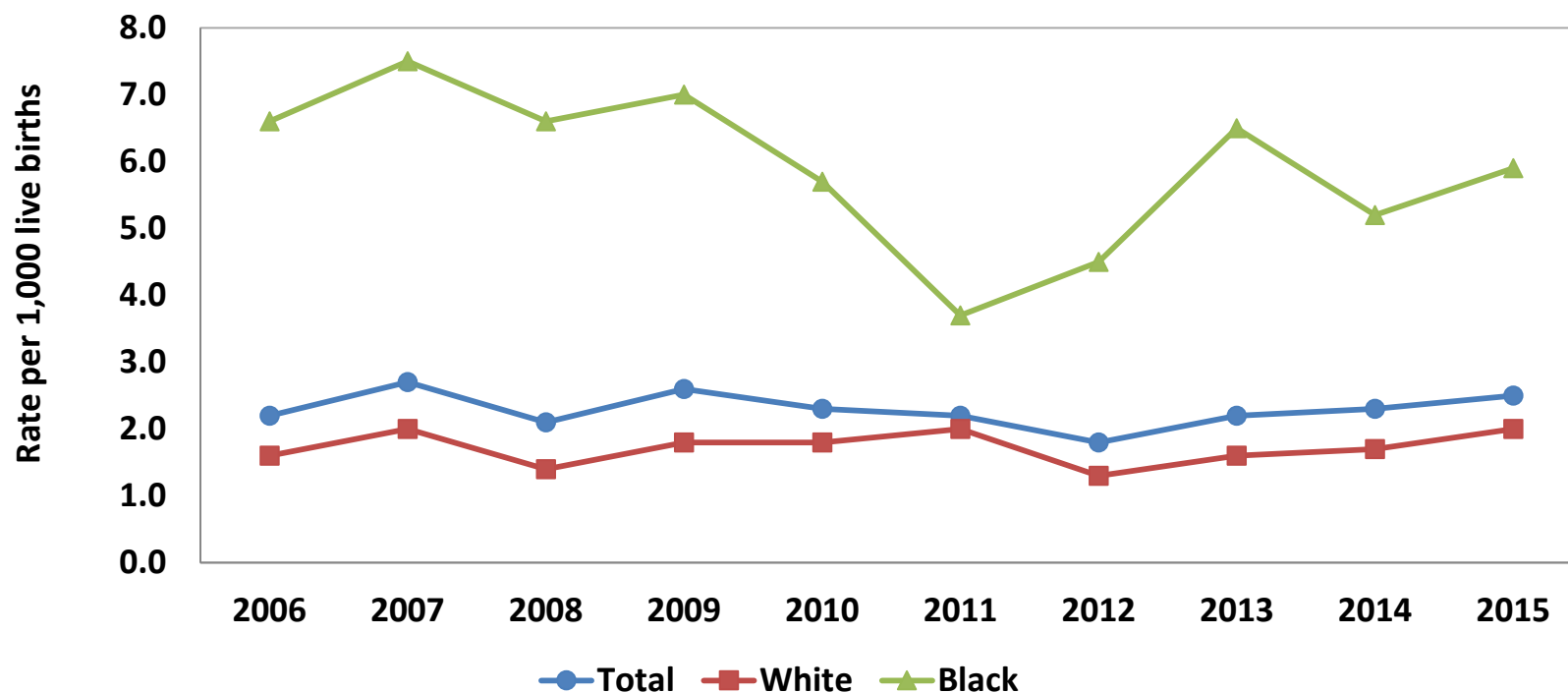
\* Numerator is less than 20, the rate is unstable. We do not recommend comparing unstable rates.

<sup>^</sup> Accidental Suffocation and Strangulation in Bed ICD-10 Code W75

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Preterm-Related Mortality\* Rates by Race Indiana Residents, 2006 – 2015



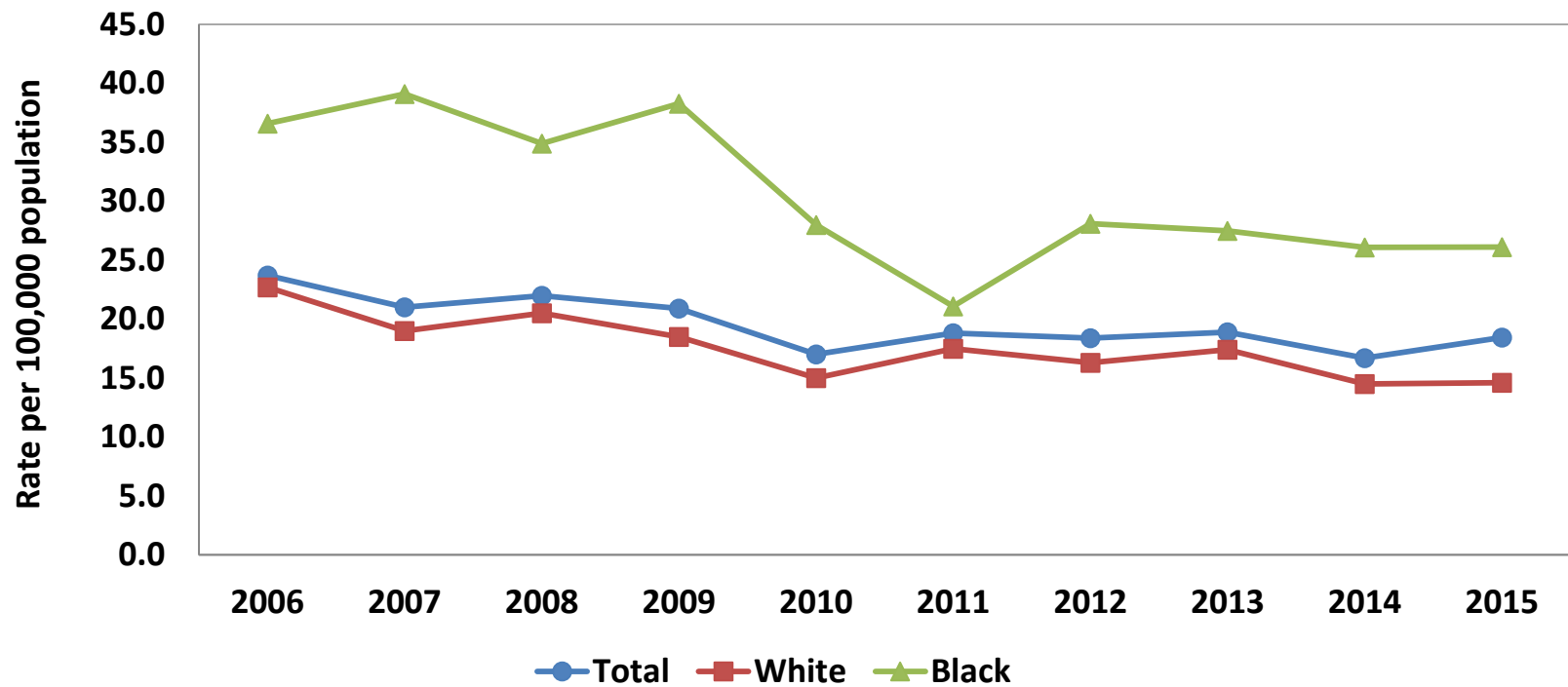
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	2.2	2.7	2.1	2.6	2.3	2.2	1.8	2.2	2.3	2.5
<b>White</b>	1.6	2.0	1.4	1.8	1.8	2.0	1.3	1.6	1.7	2.0
<b>Black</b>	6.6	7.5	6.6	7.0	5.7	3.7	4.5	6.5	5.2	5.9

\*Preterm-Related Mortality ICD-10 Codes K550, P000, P010, P011, P015, P020, P021, P027, P070–P073, P102, P220–229, P250–279, P280, P281, P360–369, P520–523, and P77

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Mortality Rates for Youth Ages 1-14 Years by Race Indiana Residents, 2006 – 2015

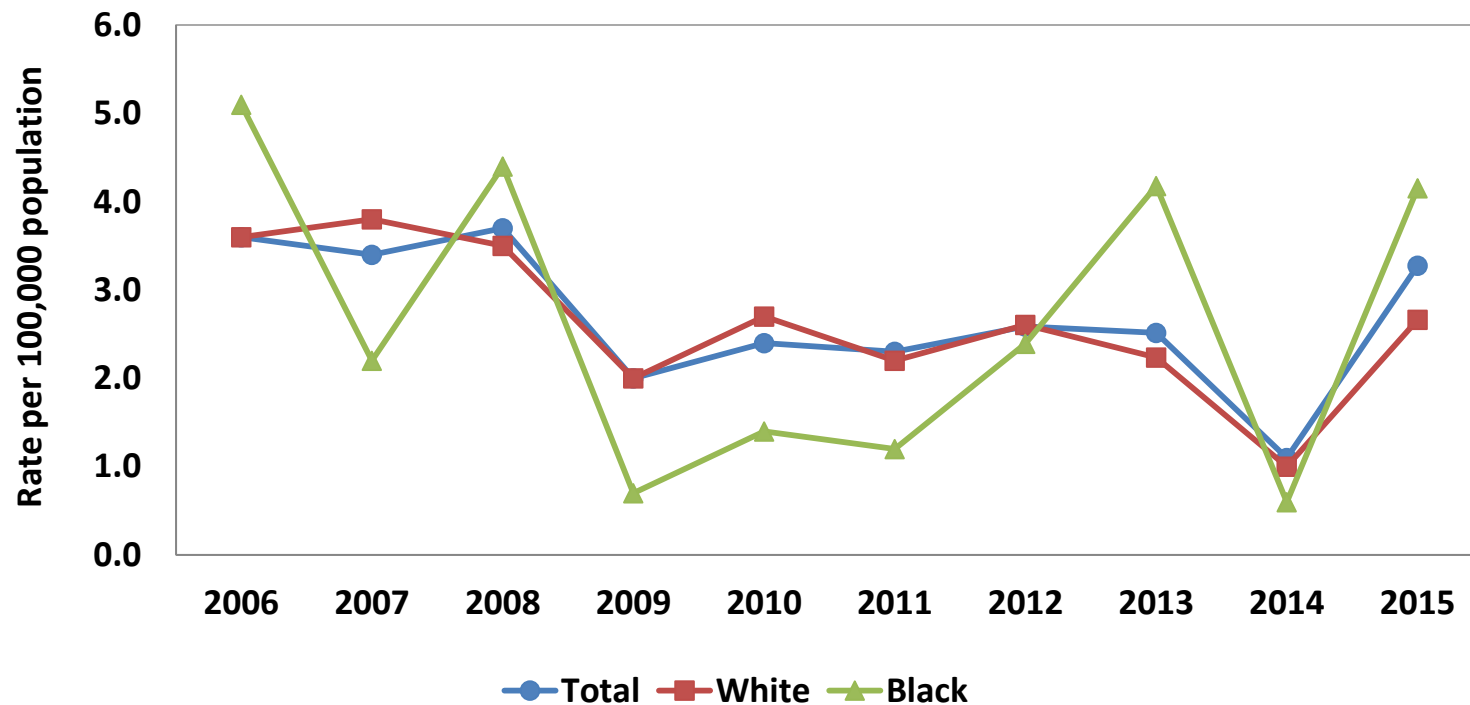


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	23.7	21.0	22.0	20.9	17.0	18.8	18.4	18.9	16.7	18.4
<b>White</b>	22.7	19.0	20.5	18.5	15.0	17.5	16.3	17.4	14.5	14.6
<b>Black</b>	36.6	39.1	34.9	38.3	28.0	21.1	28.1	27.5	26.1	26.1

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Motor Vehicle Injury Mortality Rates for Youth Ages 1-14 Years by Race Indiana Residents, 2006 – 2015



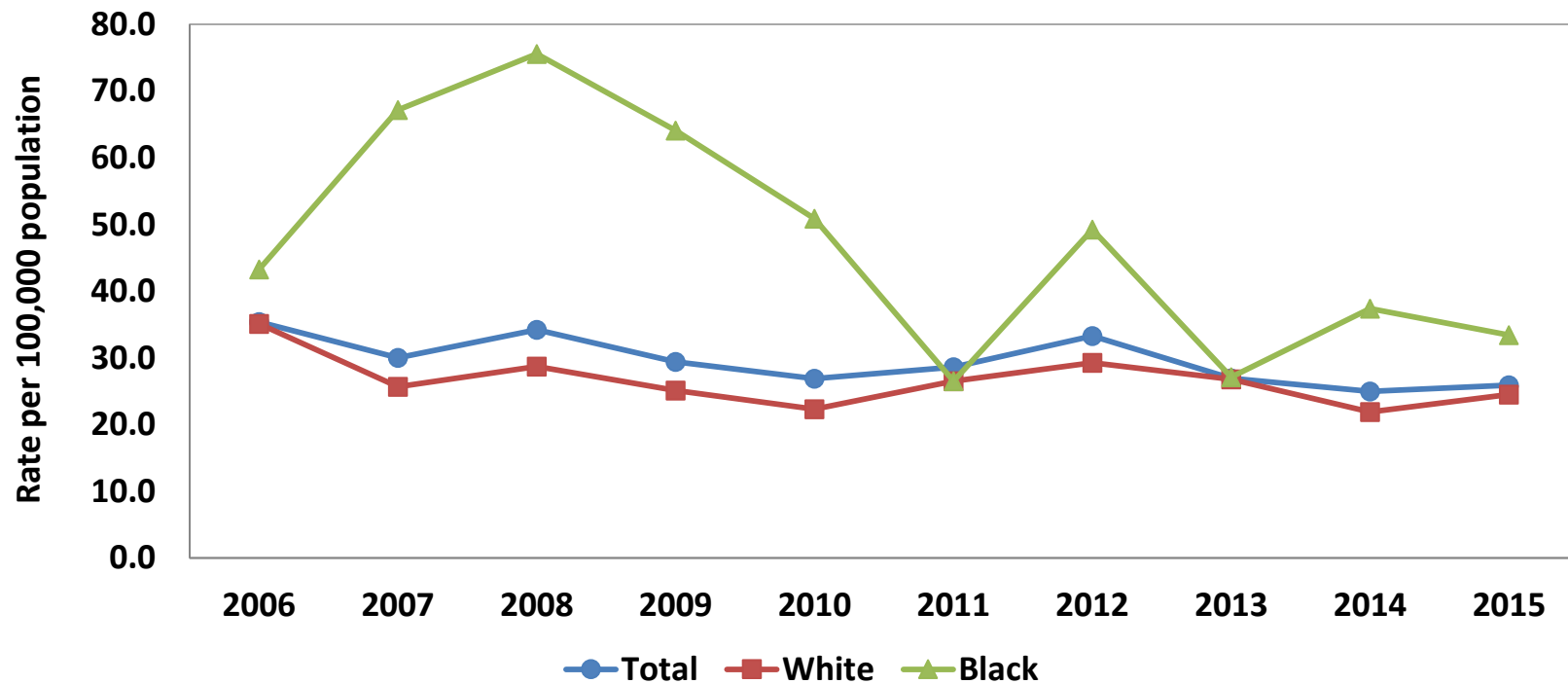
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	3.6	3.4	3.7	2.0	2.4	2.3	2.6	2.5	1.1*	3.3
White	3.6	3.8	3.5	2.0	2.7	2.2	2.6	2.2	1.0*	2.7
Black	5.1*	2.2*	4.4*	0.7*	1.4*	1.2*	2.4*	4.2*	0.6*	4.2*

\*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Mortality Rates for Youth Ages 1-4 Years by Race Indiana Residents, 2006 – 2015



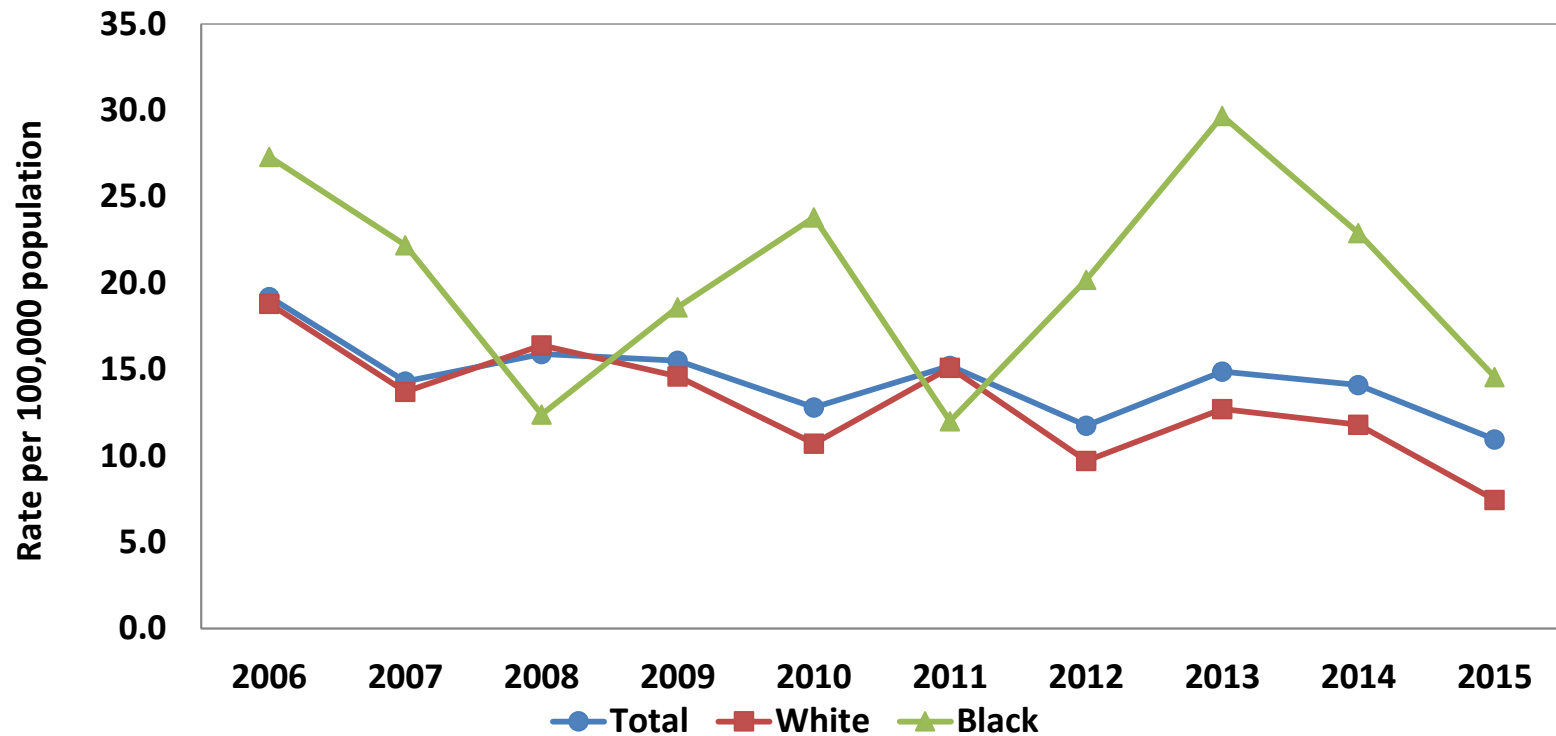
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	35.4	30.0	34.2	29.4	26.9	28.6	33.3	26.9	25.0	25.9
White	35.1	25.7	28.7	25.1	22.3	26.5	29.3	26.8	21.9	24.5
Black	43.3*	67.2	75.6	64.1	50.9	26.5*	49.2	27.1*	37.4*	33.4*

\*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Mortality Rates for Youth Ages 5-9 Years by Race Indiana Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	19.2	14.3	15.9	15.5	12.8	15.2	11.7	14.9	14.1	11.0
White	18.8	13.7	16.4	14.6	10.7	15.1	9.7	12.7	11.8	7.4
Black	27.3*	22.2*	12.4*	18.6*	23.8*	12.0*	20.2*	29.7*	22.9*	14.6*

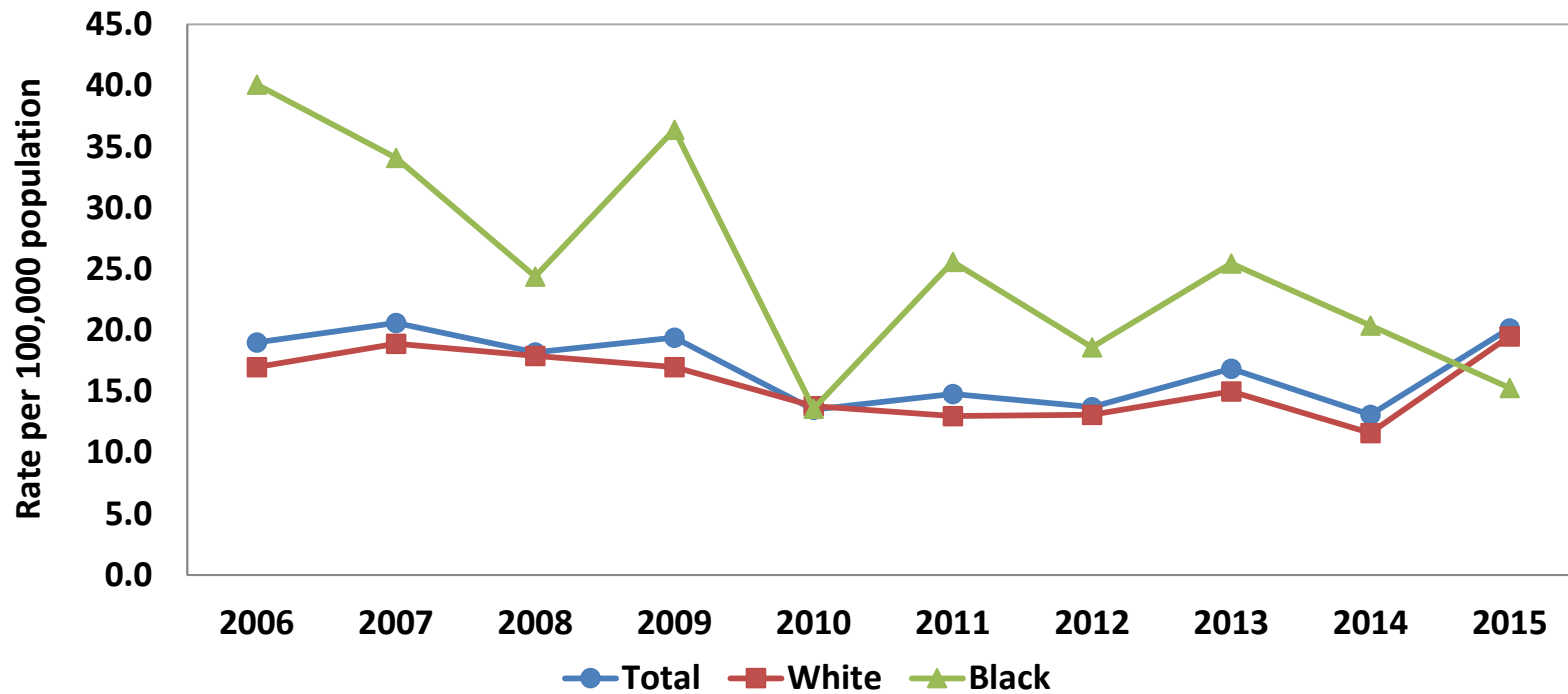
\*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database



## Mortality Rates for Youth Ages 10-14 Years by Race Indiana Residents, 2006 – 2015



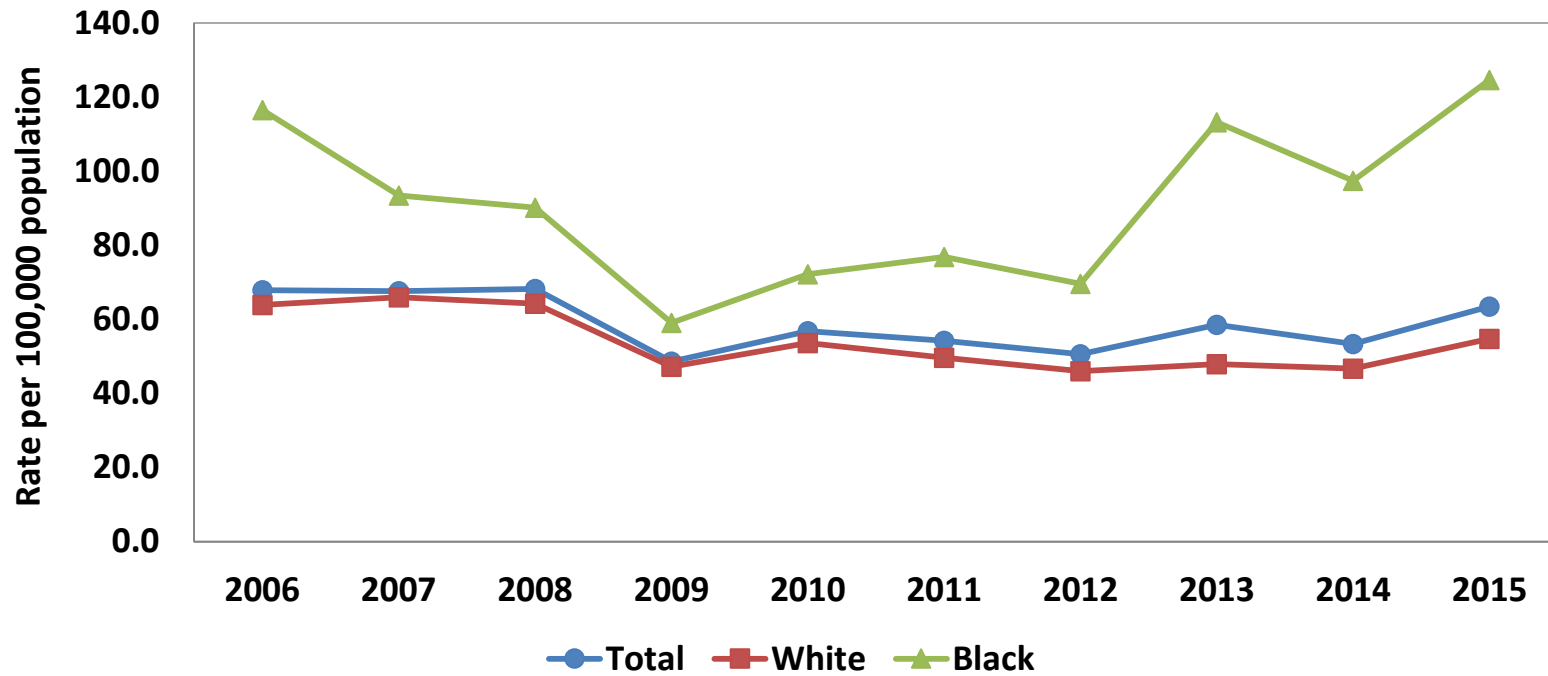
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	19.0	20.6	18.2	19.4	13.5	14.8	13.7	16.8	13.1	20.1
White	17.0	18.9	17.9	17.0	13.8	13.0	13.1	15.0	11.6	19.5
Black	40.1	34.1*	24.4*	36.4*	13.6*	25.6*	18.6*	25.5*	20.4*	15.3*

\*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Mortality Rates for Youth Ages 15-19 Years by Race Indiana Residents, 2006 – 2015

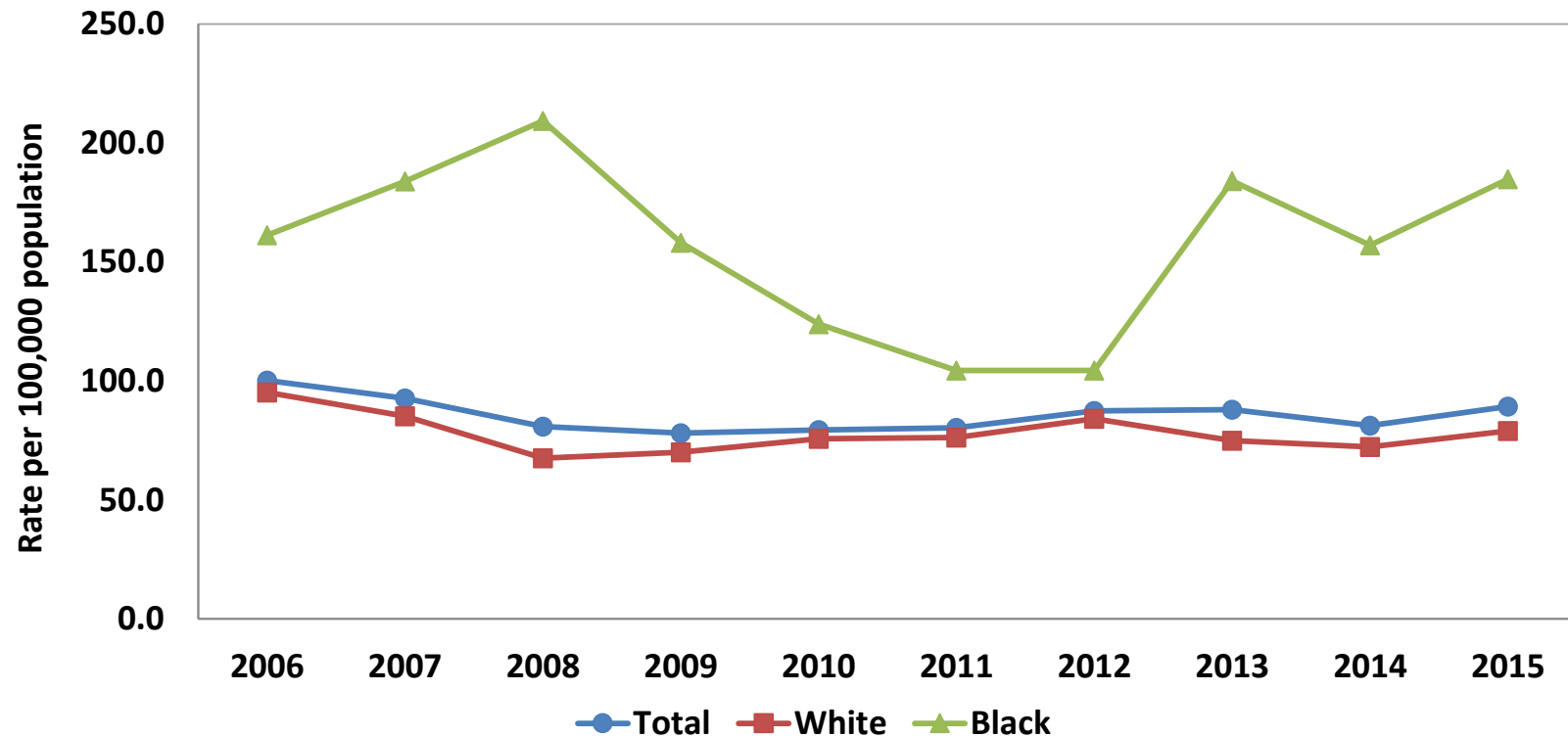


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	67.9	67.6	68.2	48.6	56.8	54.2	50.6	58.5	53.4	63.5
White	63.9	66.0	64.3	47.2	53.6	49.7	46.1	48.0	46.7	54.8
Black	116.5	93.5	90.2	59.1	72.2	76.9	69.6	113.3	97.4	124.6

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Mortality Rates for Young Adults Ages 20-21 Years by Race Indiana Residents, 2006 – 2015

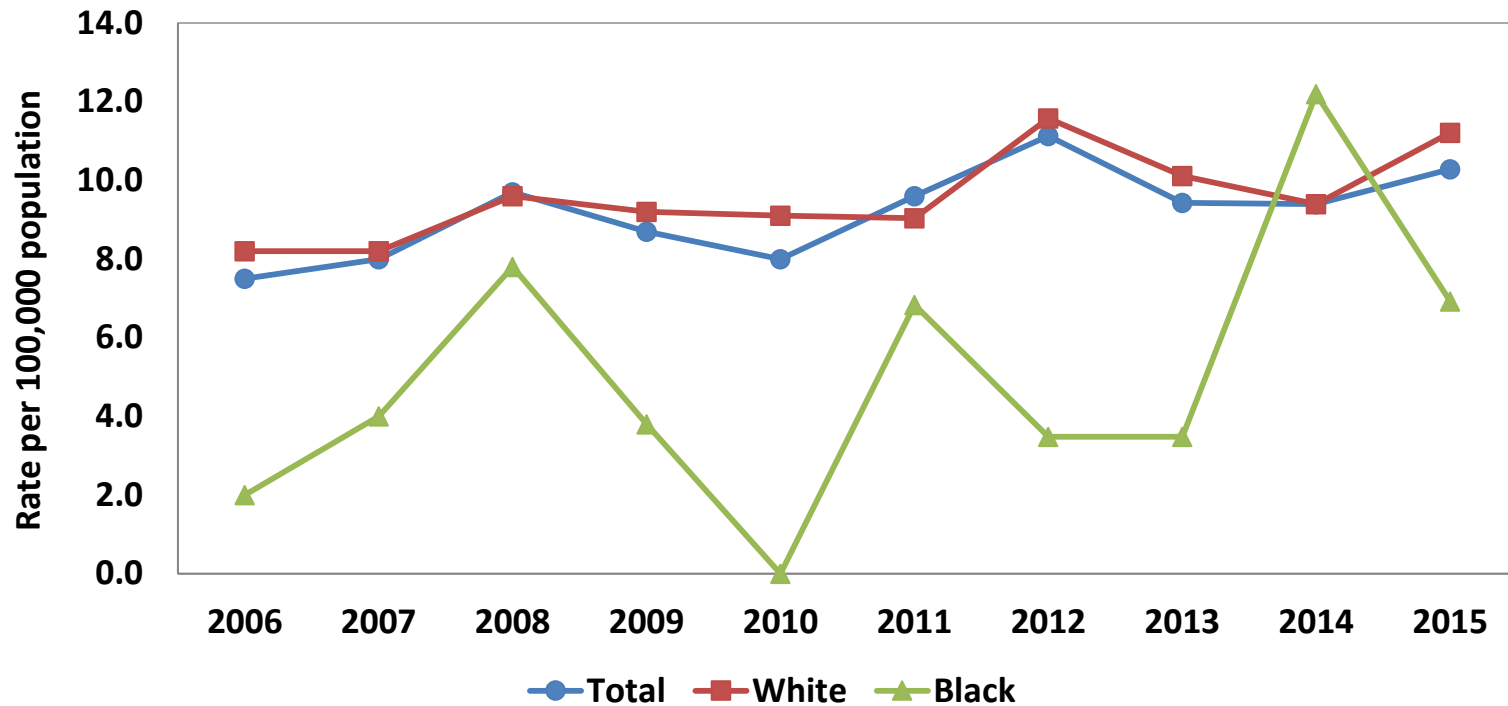


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	100.1	92.6	80.8	78.0	79.3	80.3	87.4	87.9	81.2	89.2
White	95.2	85.2	67.5	70.0	75.7	76.2	84.1	74.9	72.2	79.0
Black	161.2	183.9	209.3	158.1	123.8	104.4	104.3	184.1	157.0	184.8

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Suicide Mortality Rates for Youth Ages 15-19 Years by Race Indiana Residents, 2006– 2015



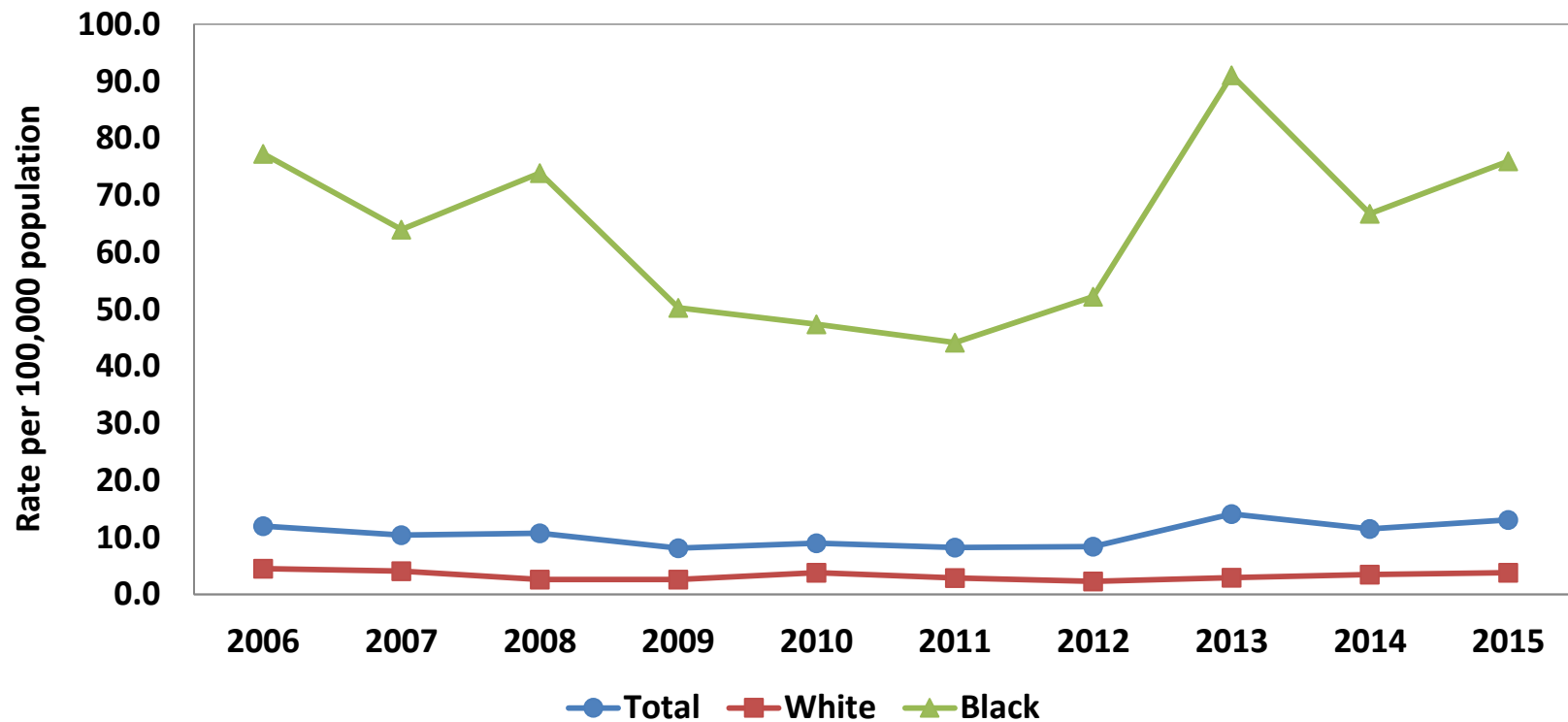
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	7.5	8.0	9.7	8.7	8.0	9.6	11.1	9.4	9.4	10.3
<b>White</b>	8.2	8.2	9.6	9.2	9.1	9.0	11.6	10.1	9.4	11.2
<b>Black</b>	2.0*	4.0*	7.8*	3.8*	0.0*	6.8*	3.5*	3.5*	12.2*	6.9*

\*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Homicide Mortality Rates for Ages 15-24 Years by Race Indiana Residents, 2006 – 2015

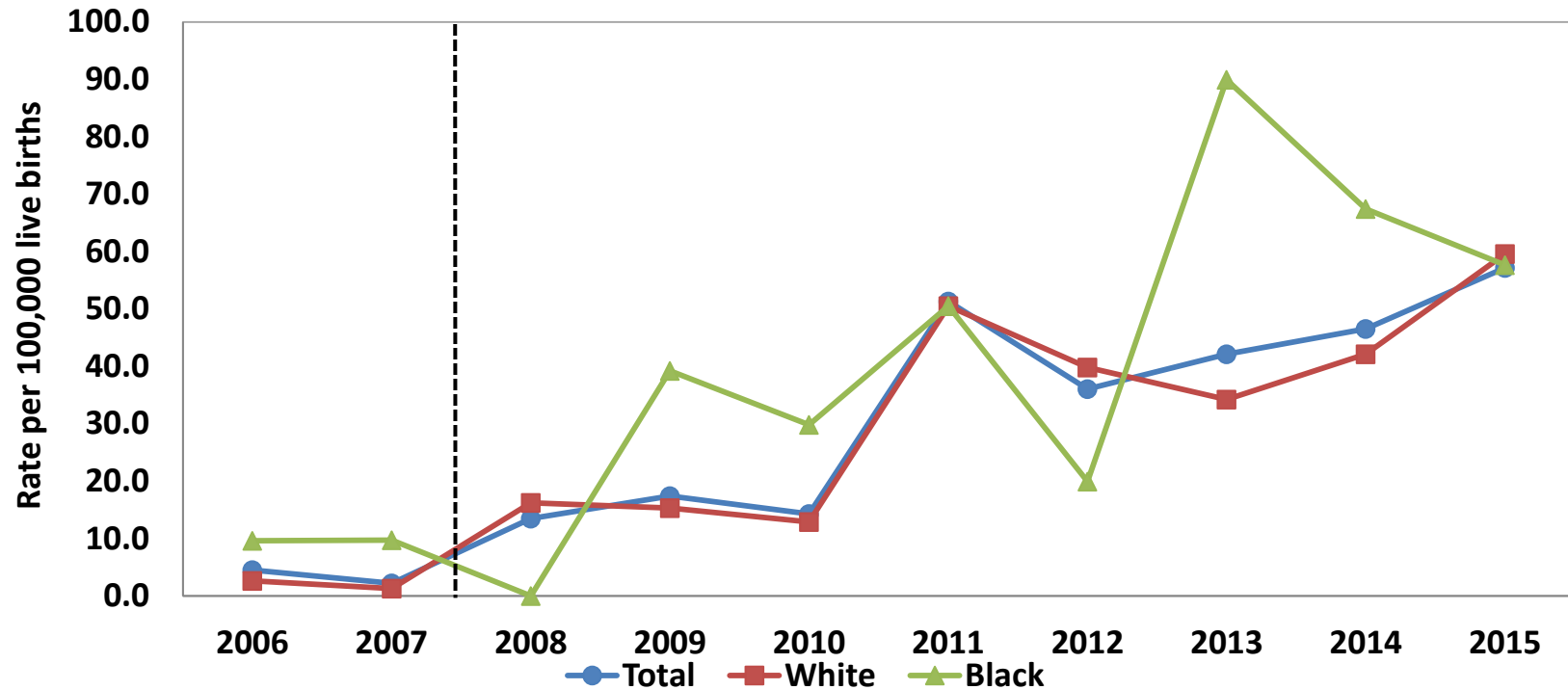


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	12.0	10.4	10.7	8.1	9.0	8.2	8.4	14.1	11.5	13.1
White	4.5	4.1	2.6	2.6	3.8	2.9	2.3	2.9	3.5	3.8
Black	77.3	64.0	73.9	50.3	47.4	44.2	52.2	91.1	66.8	76.0

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Sources: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team; CDC WONDER Online Database

## Maternal Mortality Rates by Race Indiana Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	4.5*	2.2*	13.5*	17.4*	14.3*	51.3	36.0	42.1	46.5	57.1
White	2.6*	1.3*	16.2*	15.3*	12.9*	50.5	39.8	34.2	42.1	59.6
Black	9.6*	9.7*	0.0*	39.2*	29.8*	50.5*	19.9*	89.9*	67.4*	57.6*

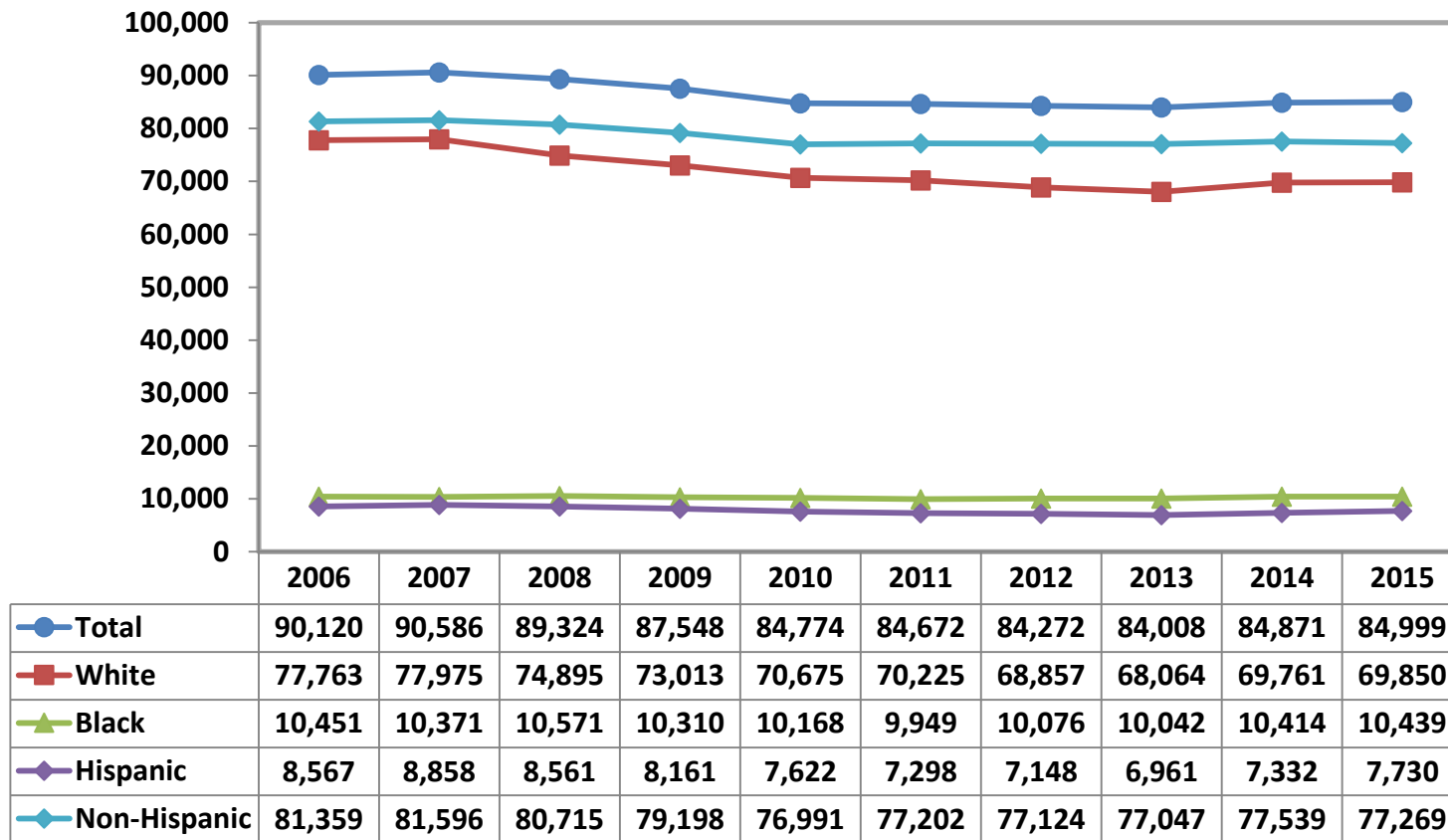
\*Numerator is less than 20, and the rate is unstable.

Note: Because of death certificate revisions in 2008, maternal mortality data for 2008 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Number of Occurrent Live Births\* by Race and Ethnicity Indiana Residents, 2006 – 2015



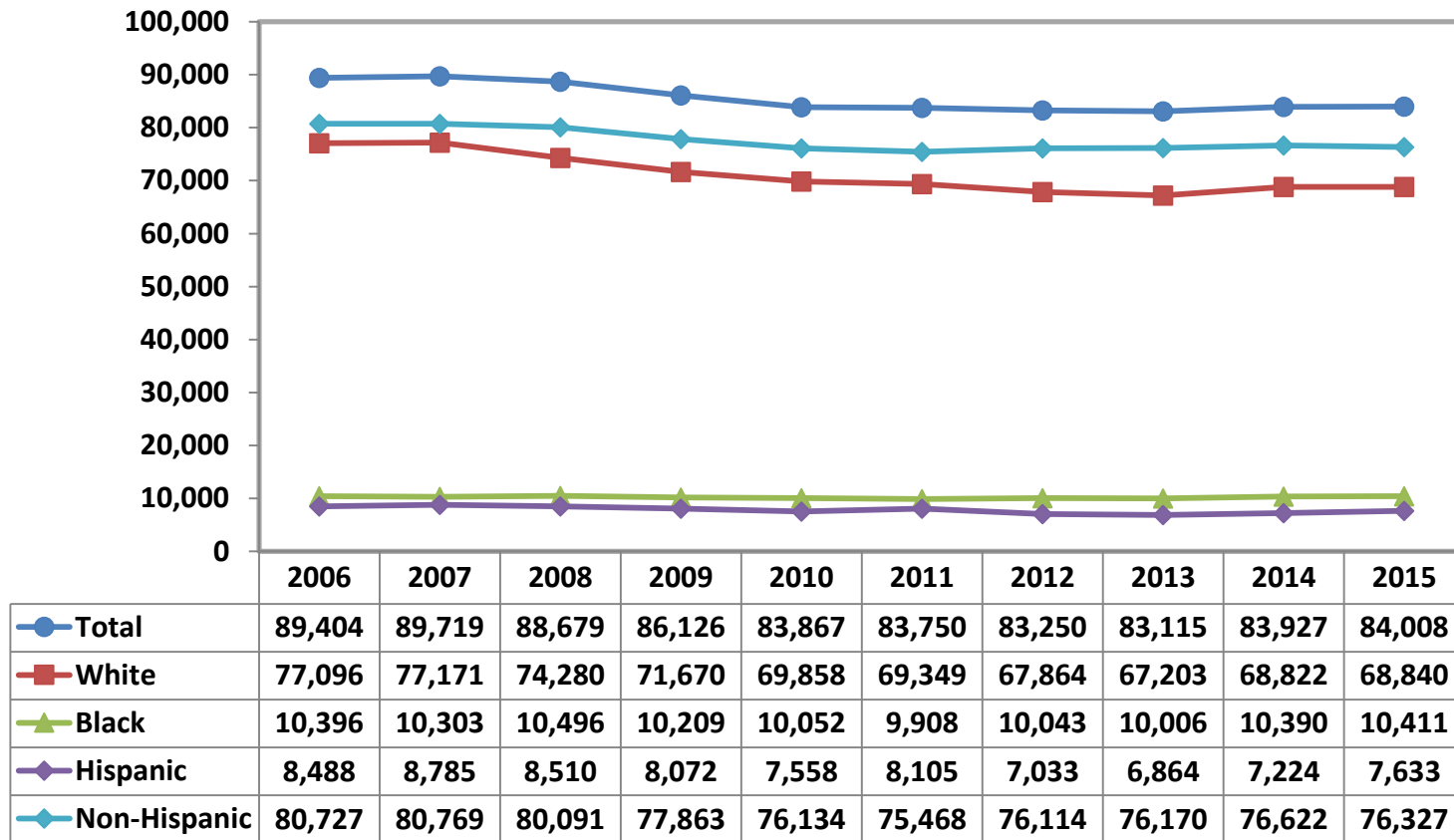
\* Live births occurring in Indiana regardless of mother's state of residence.

Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Number of Resident Live Births\* by Race and Ethnicity Indiana Residents, 2006 – 2015



\* Live births to Indiana residents regardless of state where mother gave birth.

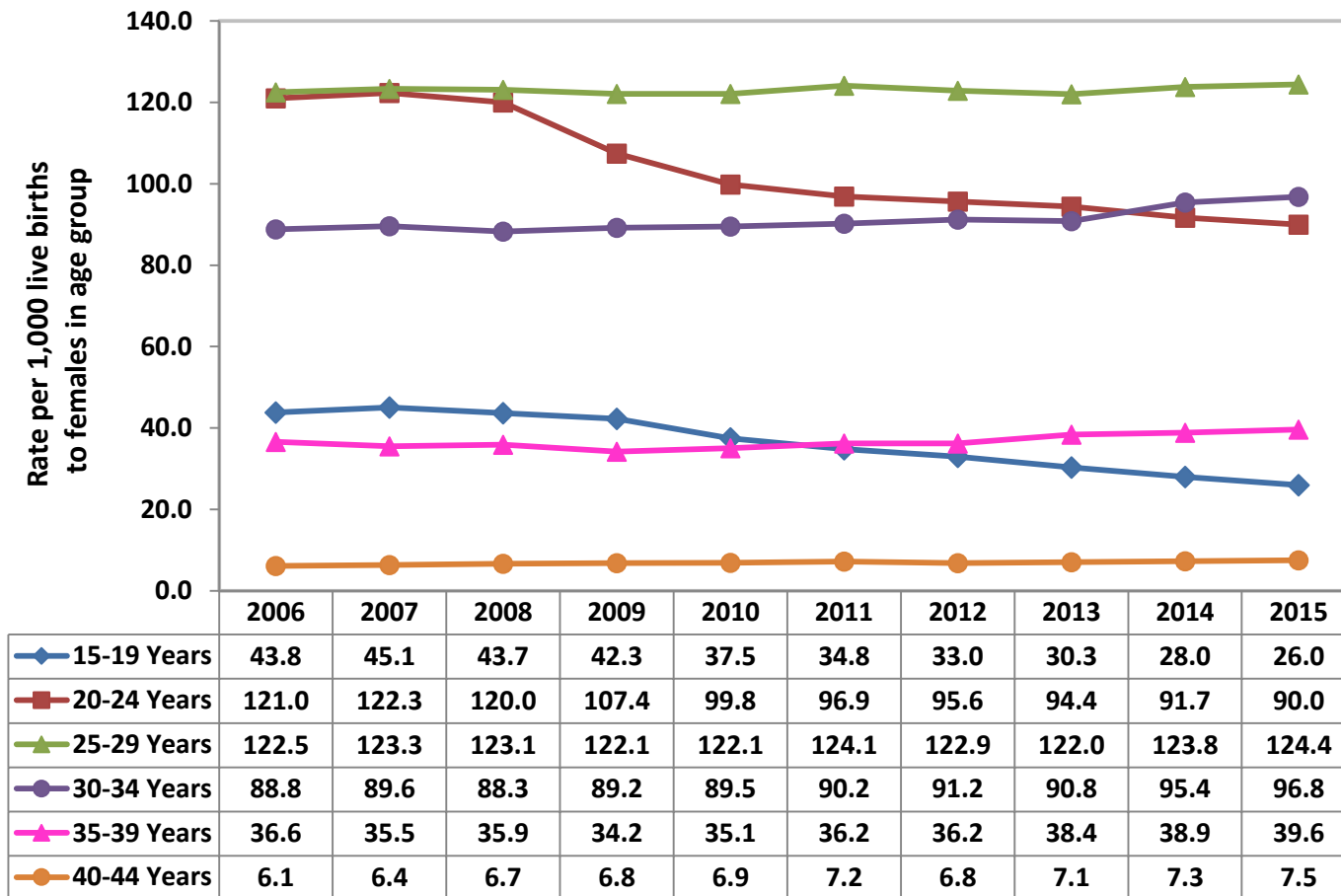
Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



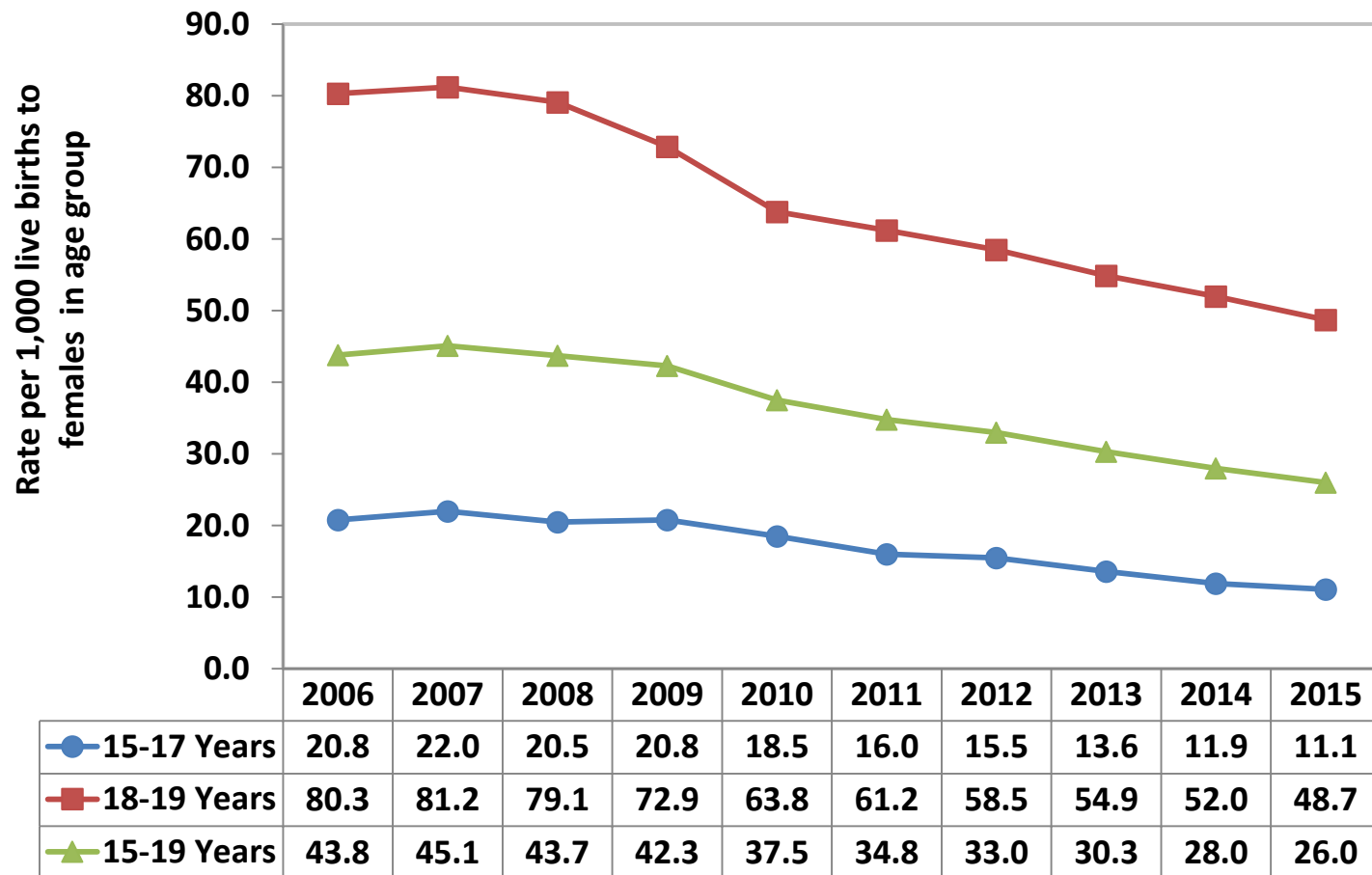
## Age-Specific Birth Rates by Age of Mother Indiana Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

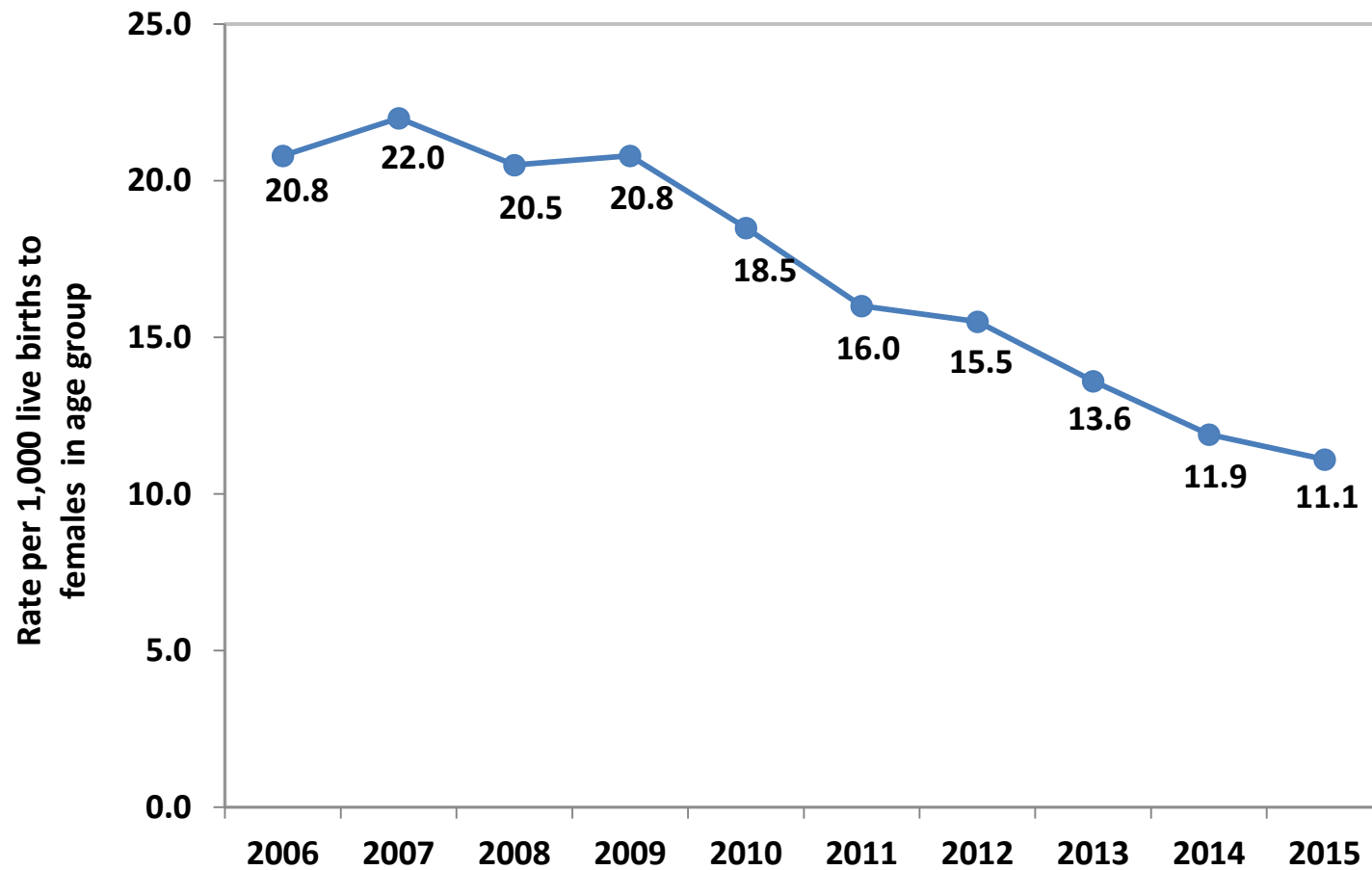
## Age-Specific Birth Rates for Teen Mothers Indiana Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

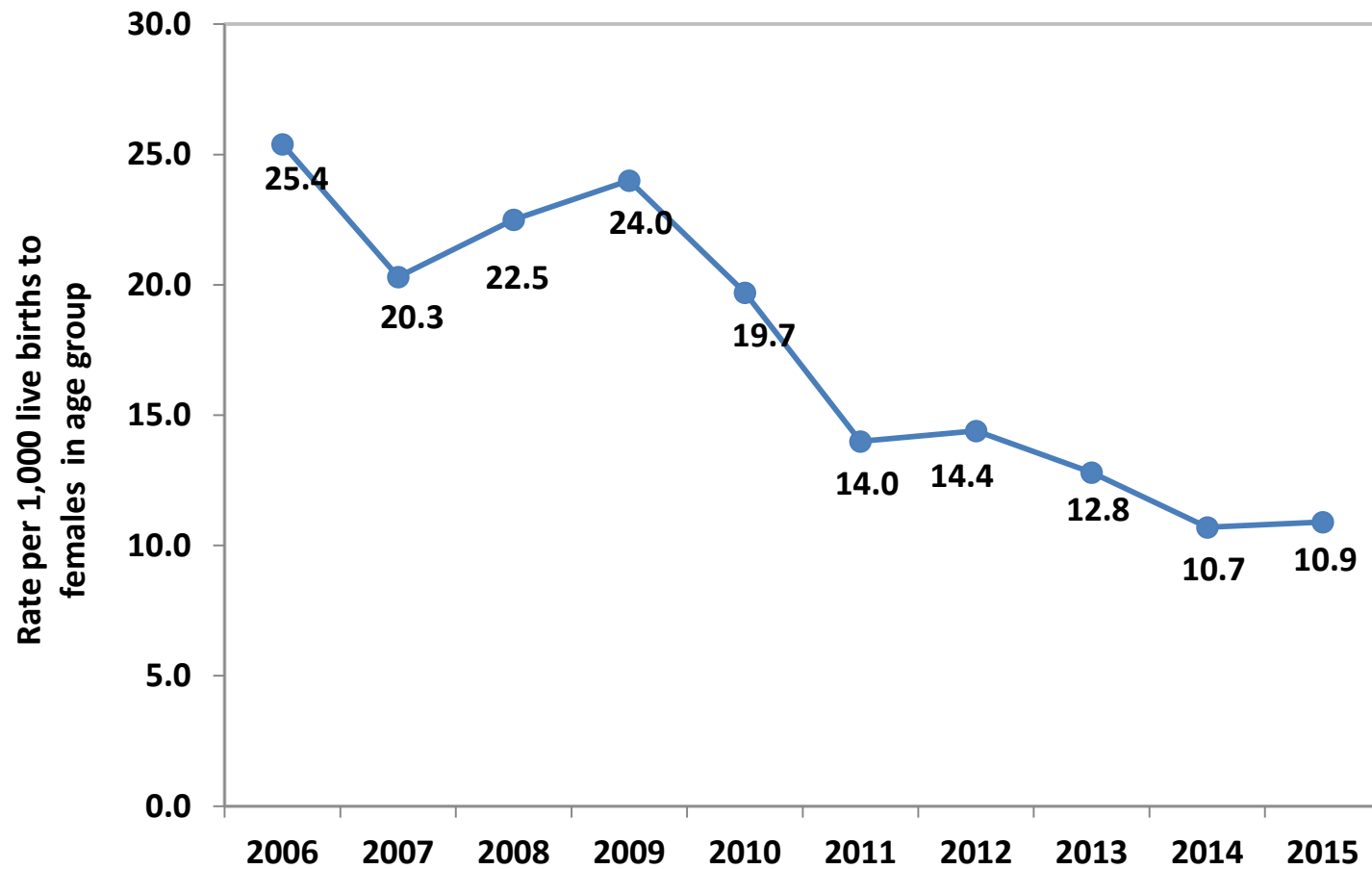
## Age-Specific Birth Rates for Ages 15-17 Years Indiana Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

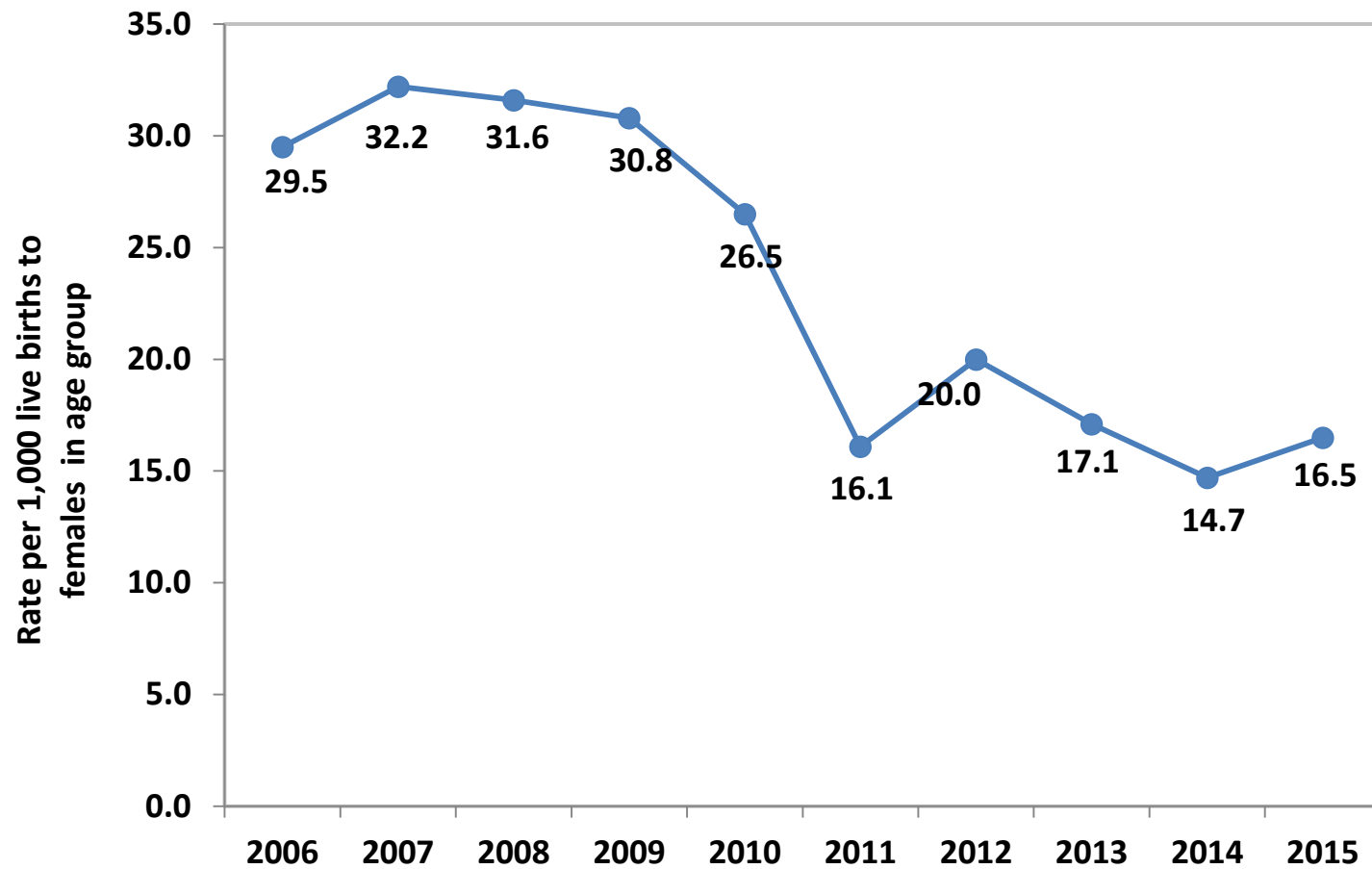
## Age-Specific Birth Rates for Ages 15-17 Years Allen County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

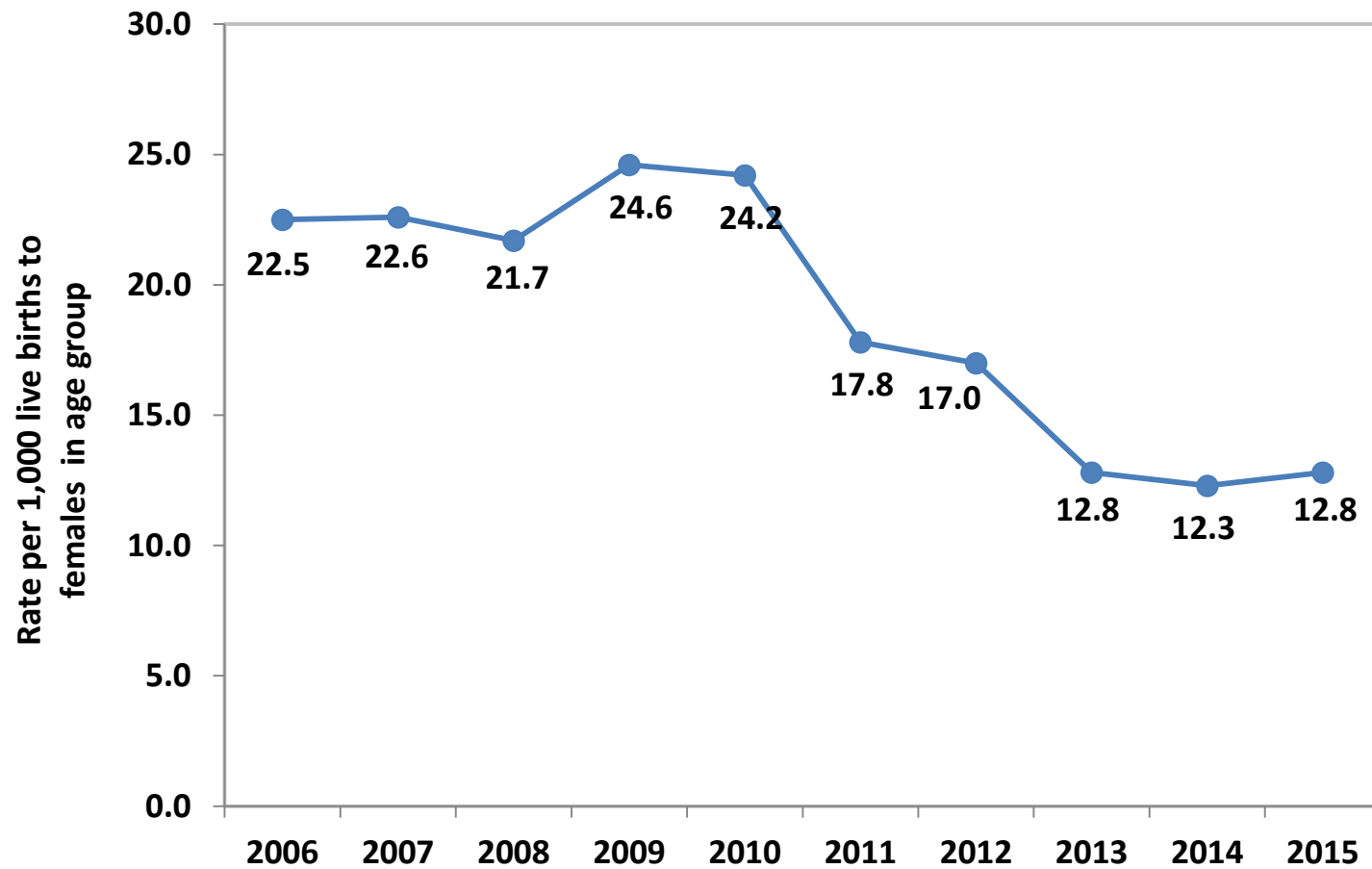
## Age-Specific Birth Rates for Ages 15-17 Years Elkhart County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

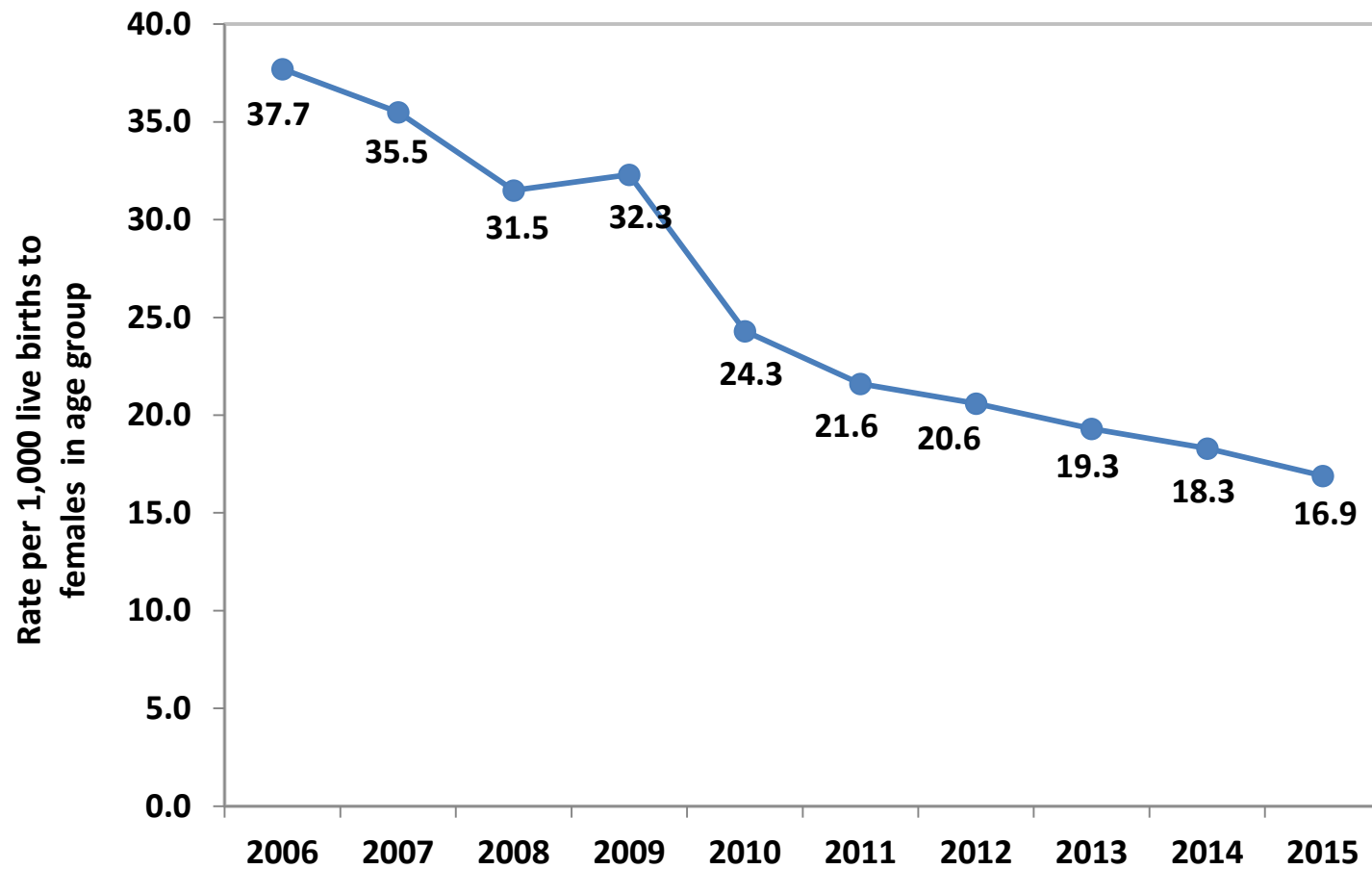
## Age-Specific Birth Rates for Ages 15-17 Years Lake County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

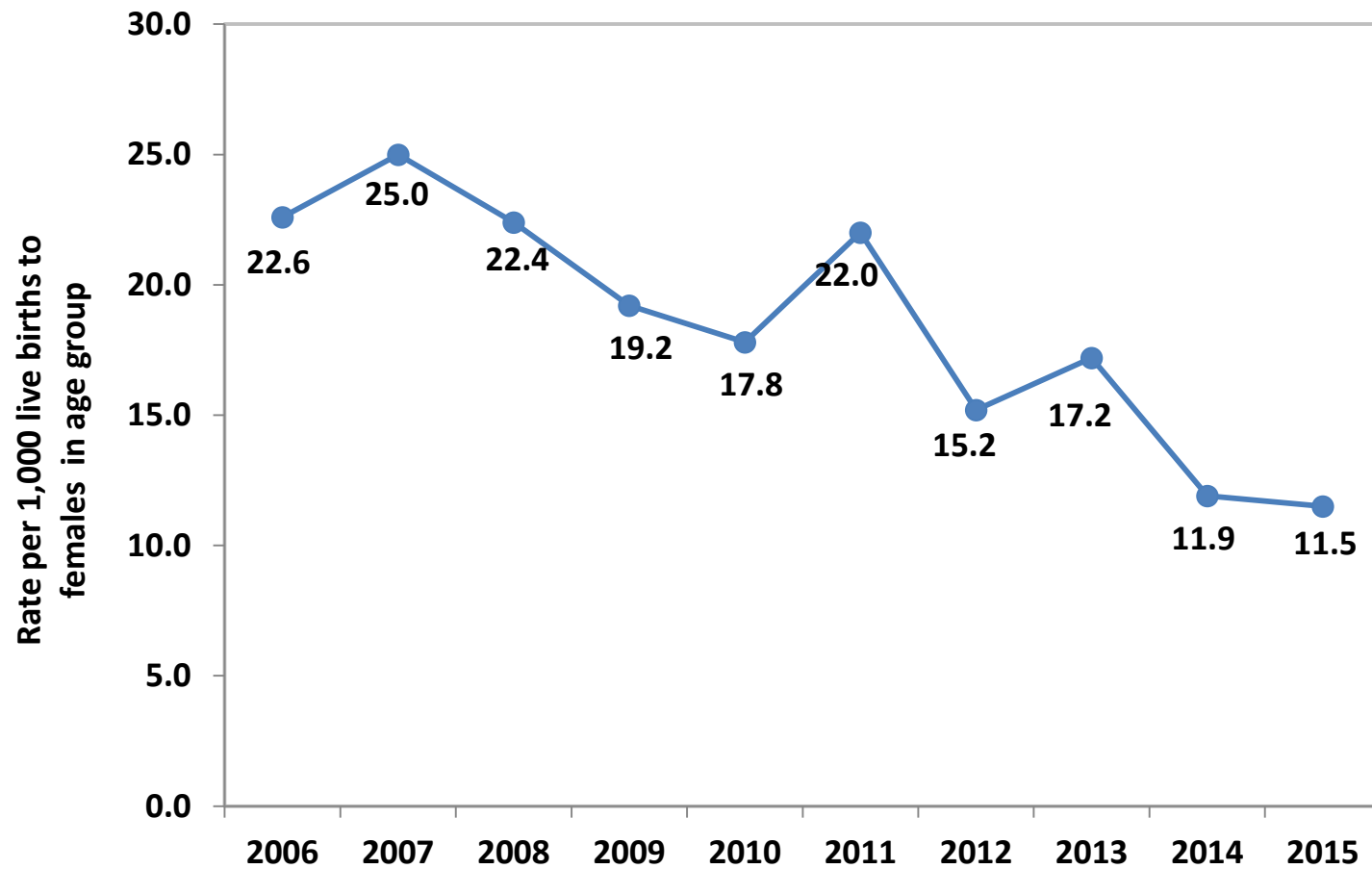
## Age-Specific Birth Rates for Ages 15-17 Years Marion County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Age-Specific Birth Rates for Ages 15-17 Years St. Joseph County Residents, 2006 – 2015

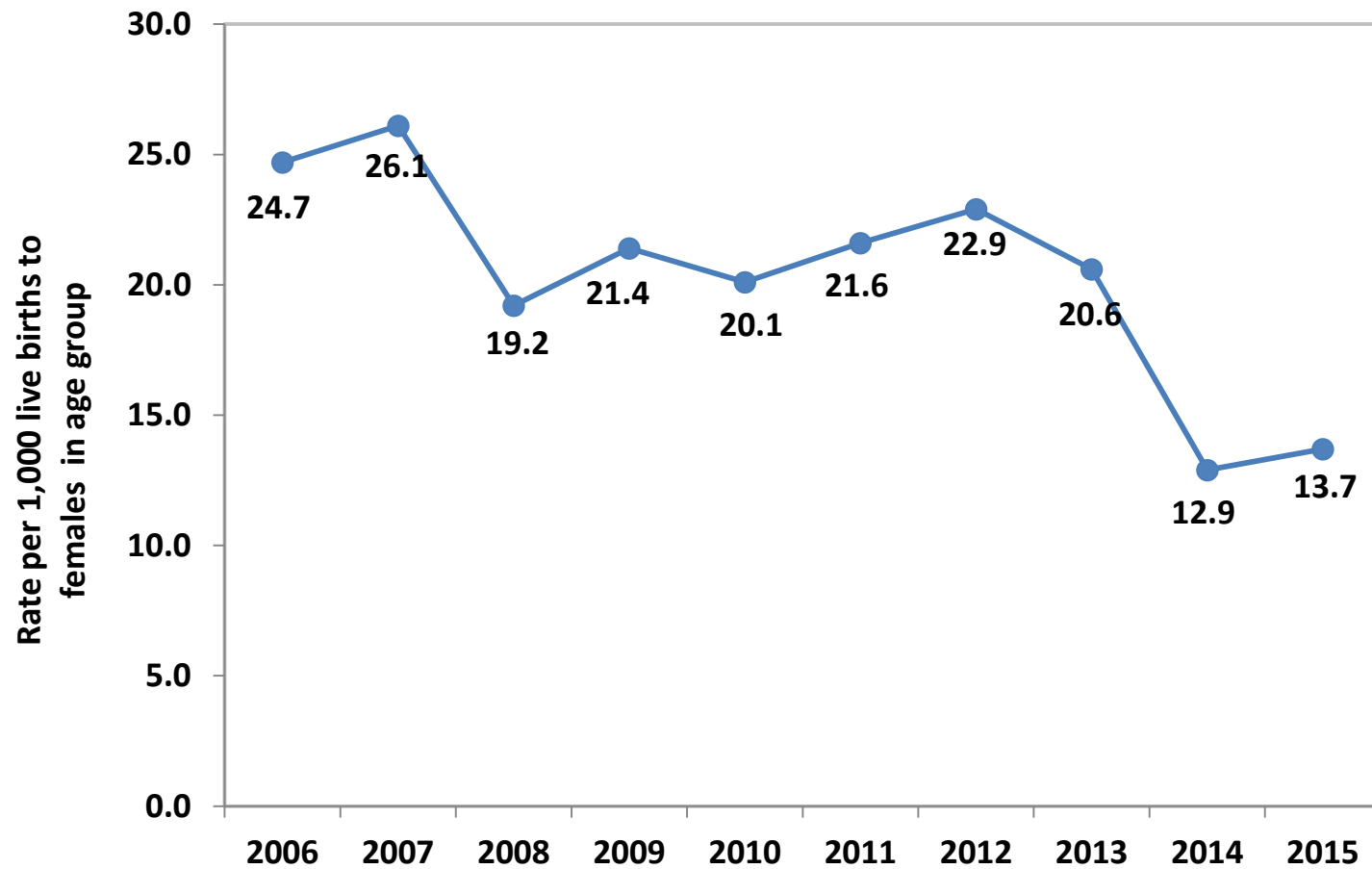


Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



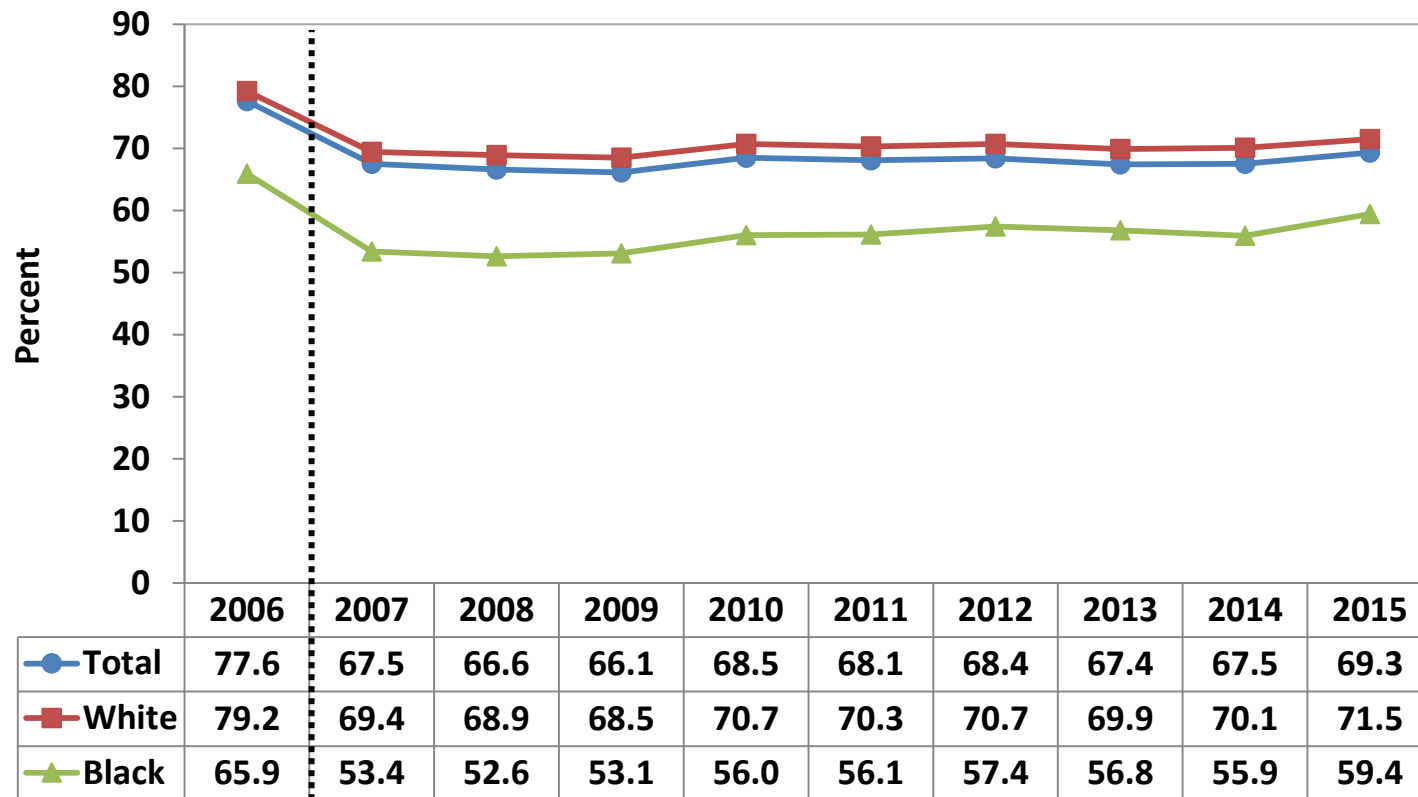
## Age-Specific Birth Rates for Ages 15-17 Years Vanderburgh County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Indiana Residents, 2006 – 2015



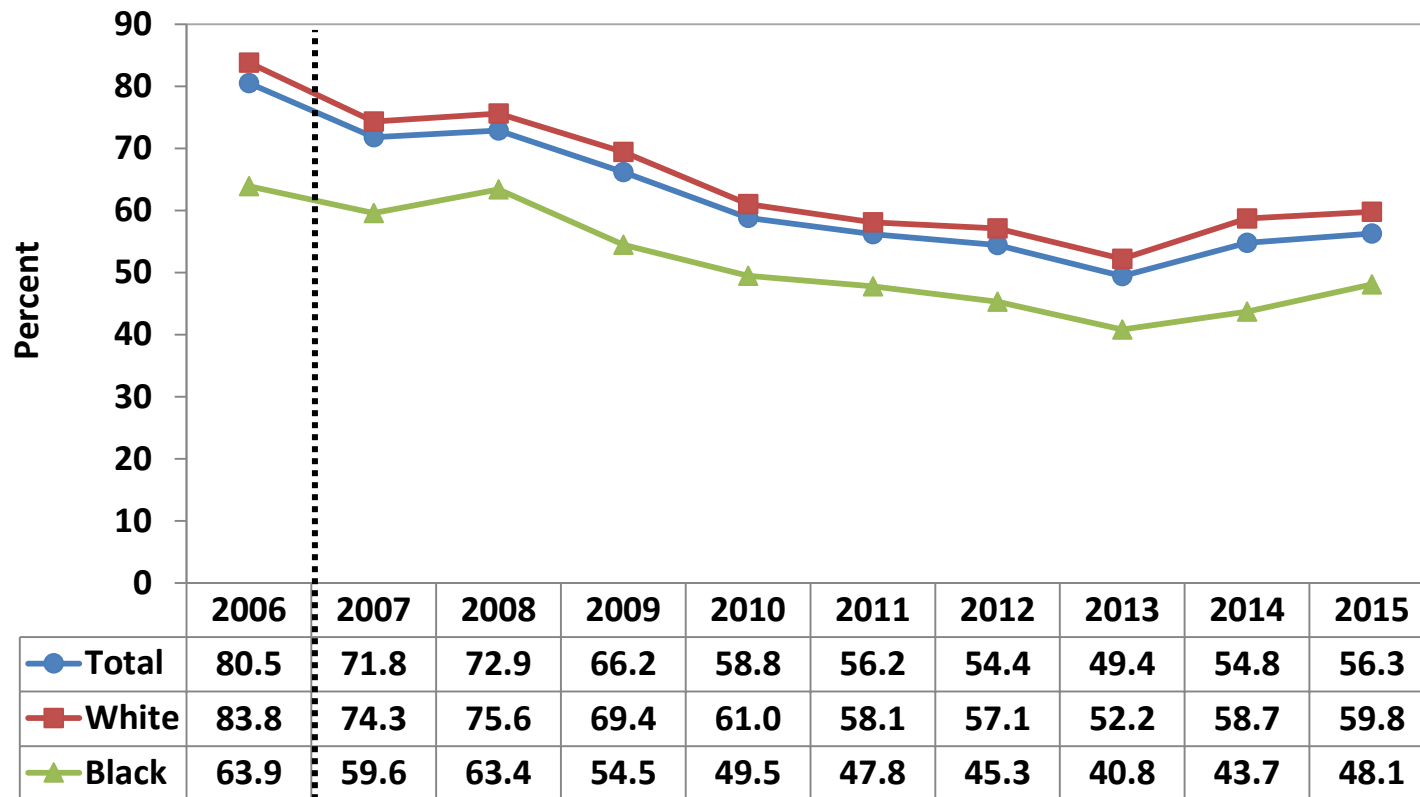
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Allen County Residents, 2006 – 2015



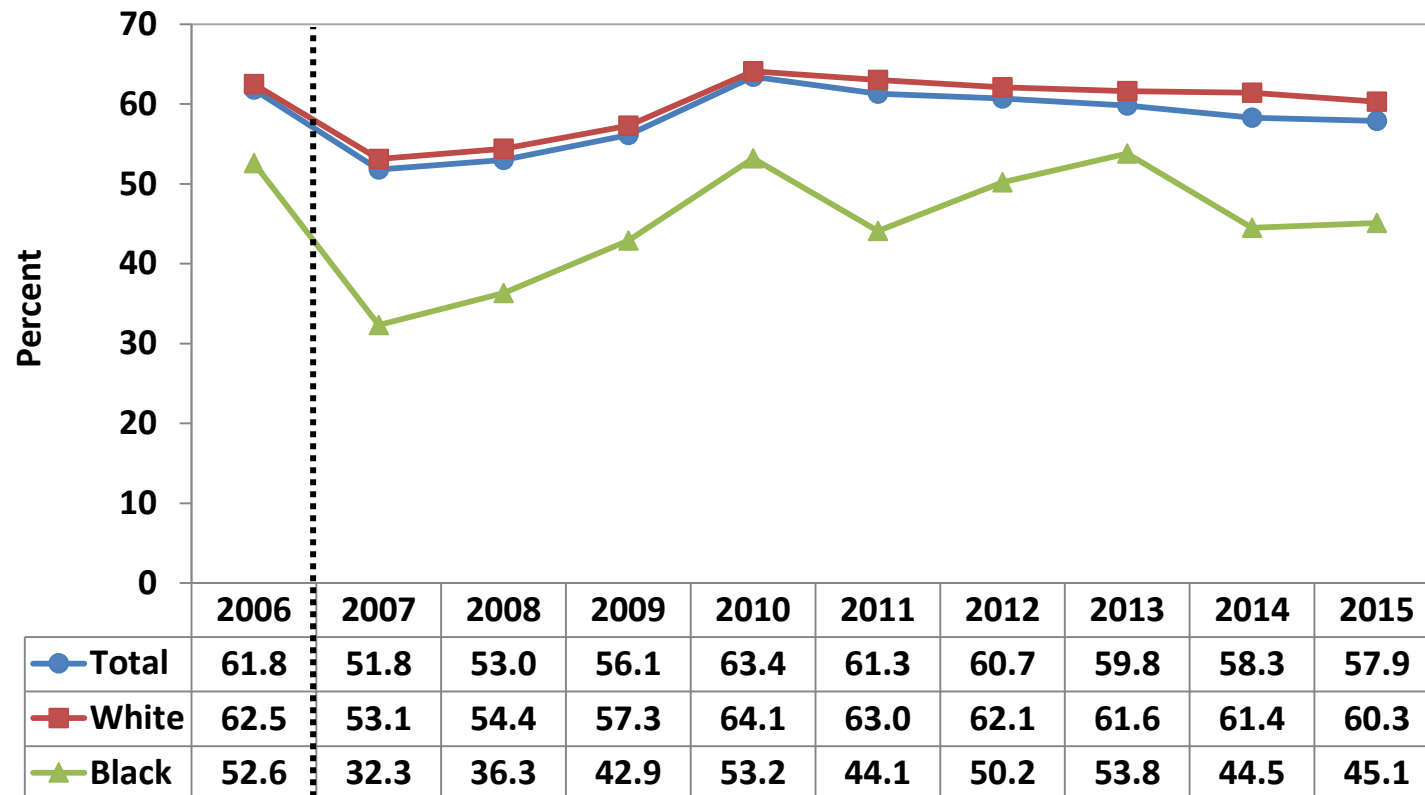
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Elkhart County Residents, 2006 – 2015



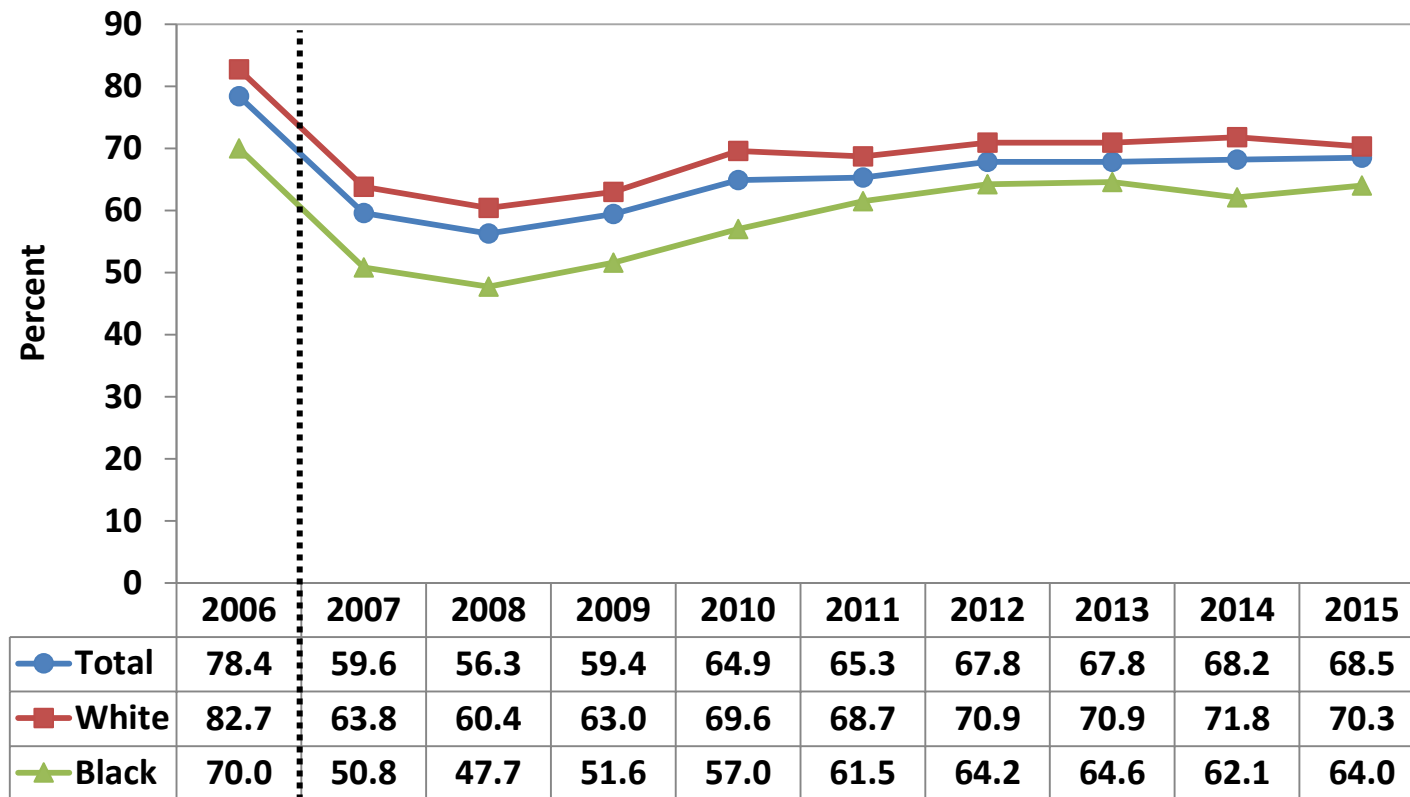
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Lake County Residents, 2006 – 2015



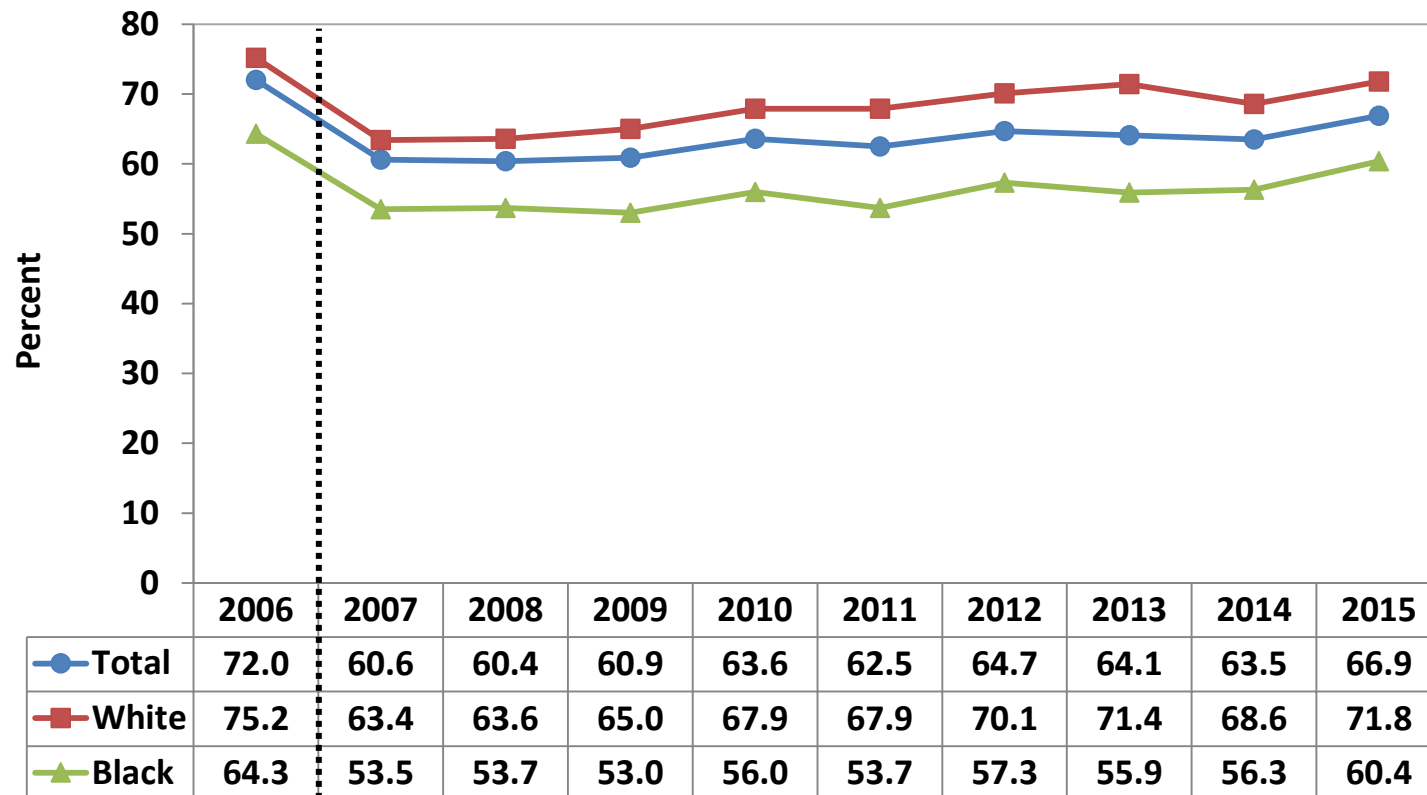
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Marion County Residents, 2006 – 2015



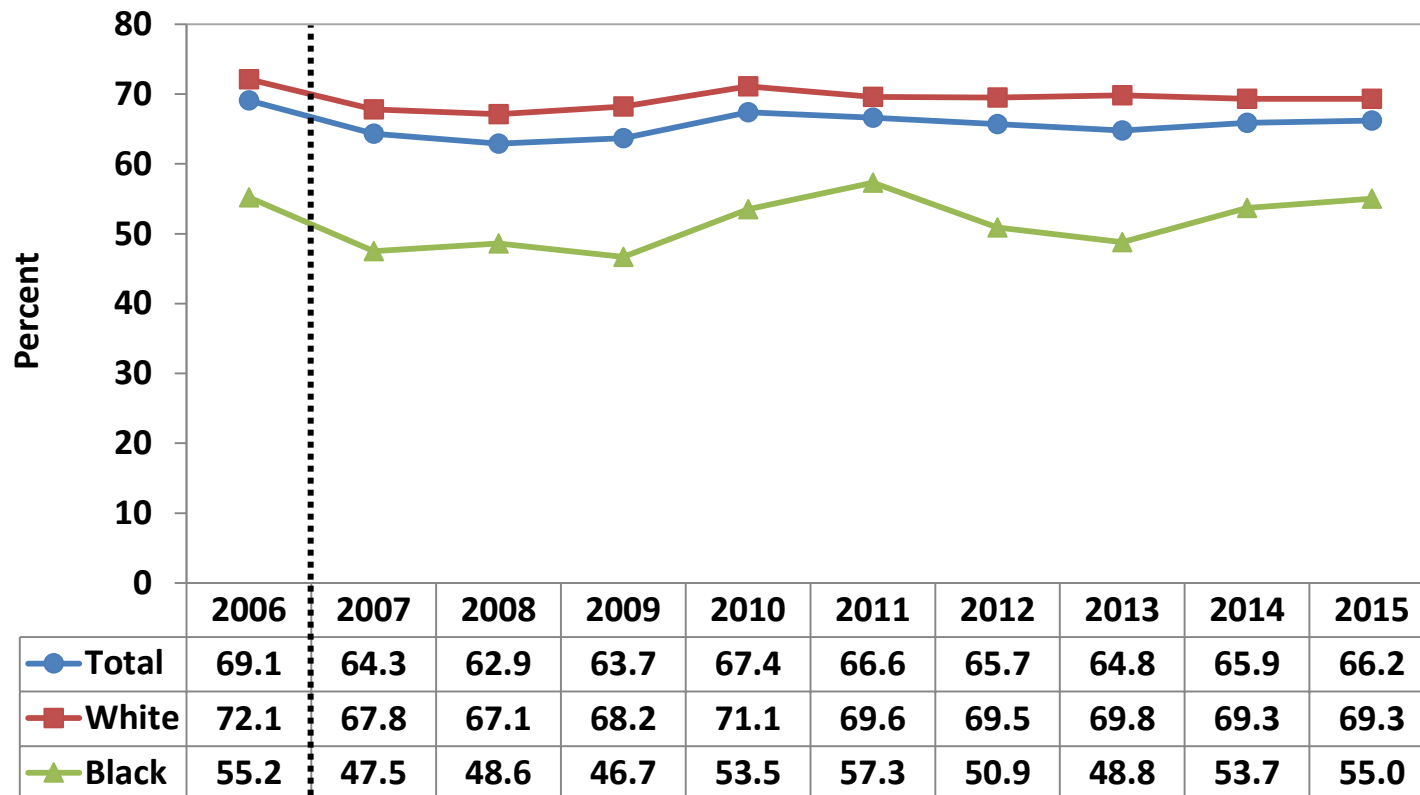
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race St. Joseph County Residents, 2006 – 2015



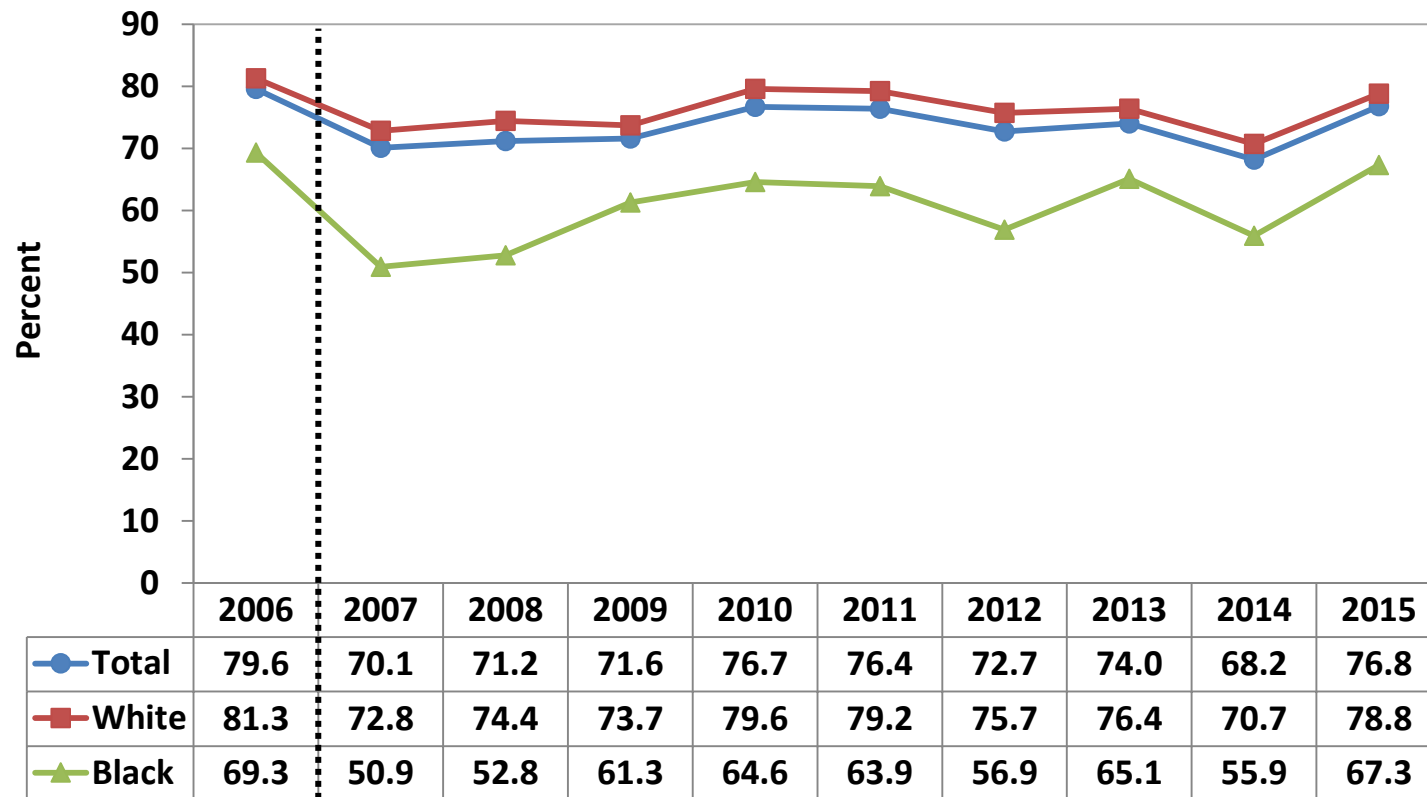
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Race Vanderburgh County Residents, 2006 – 2015



\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

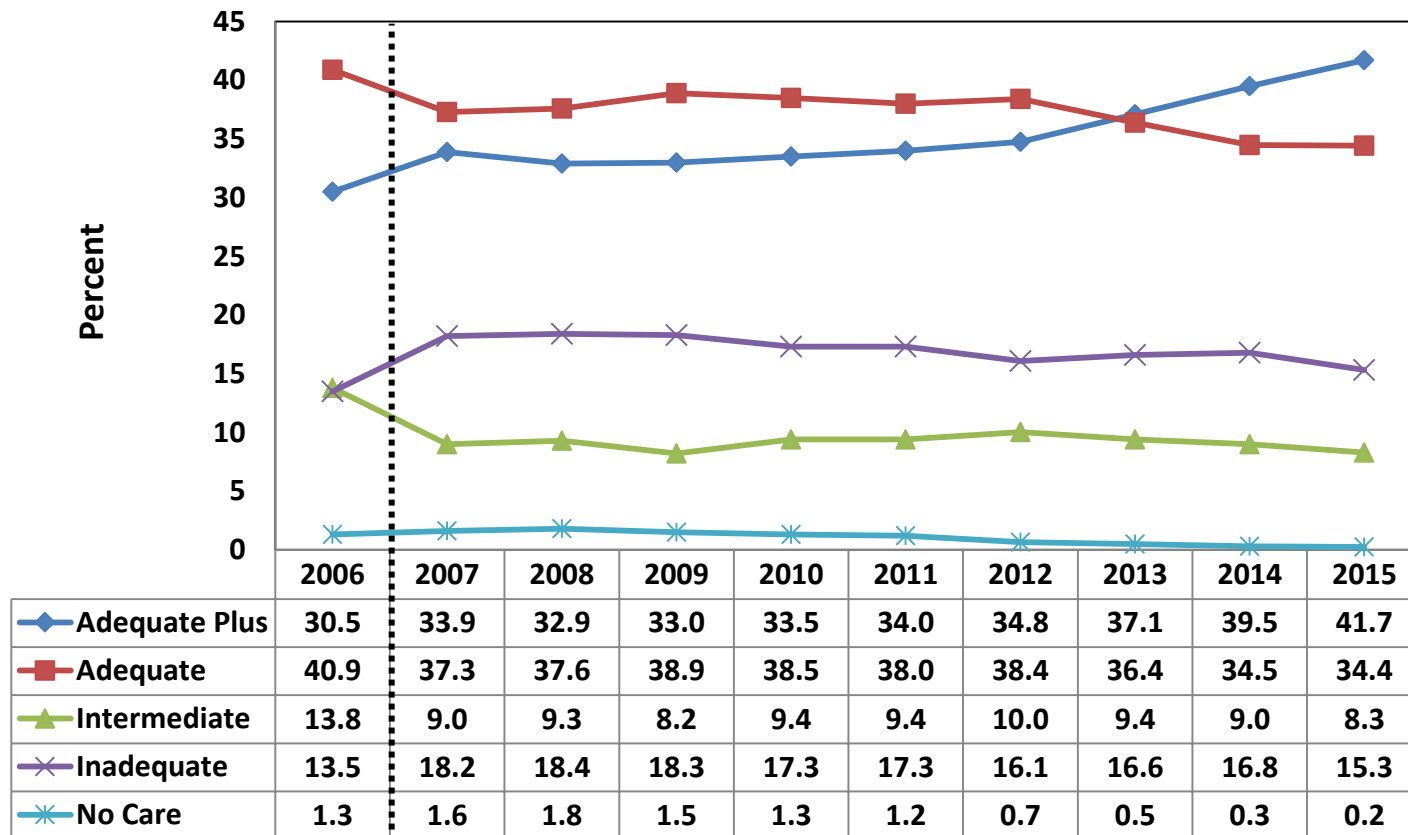
Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Adequacy of Prenatal Care Utilization (Kotelchuck Index)\* Indiana Residents, 2006 – 2015

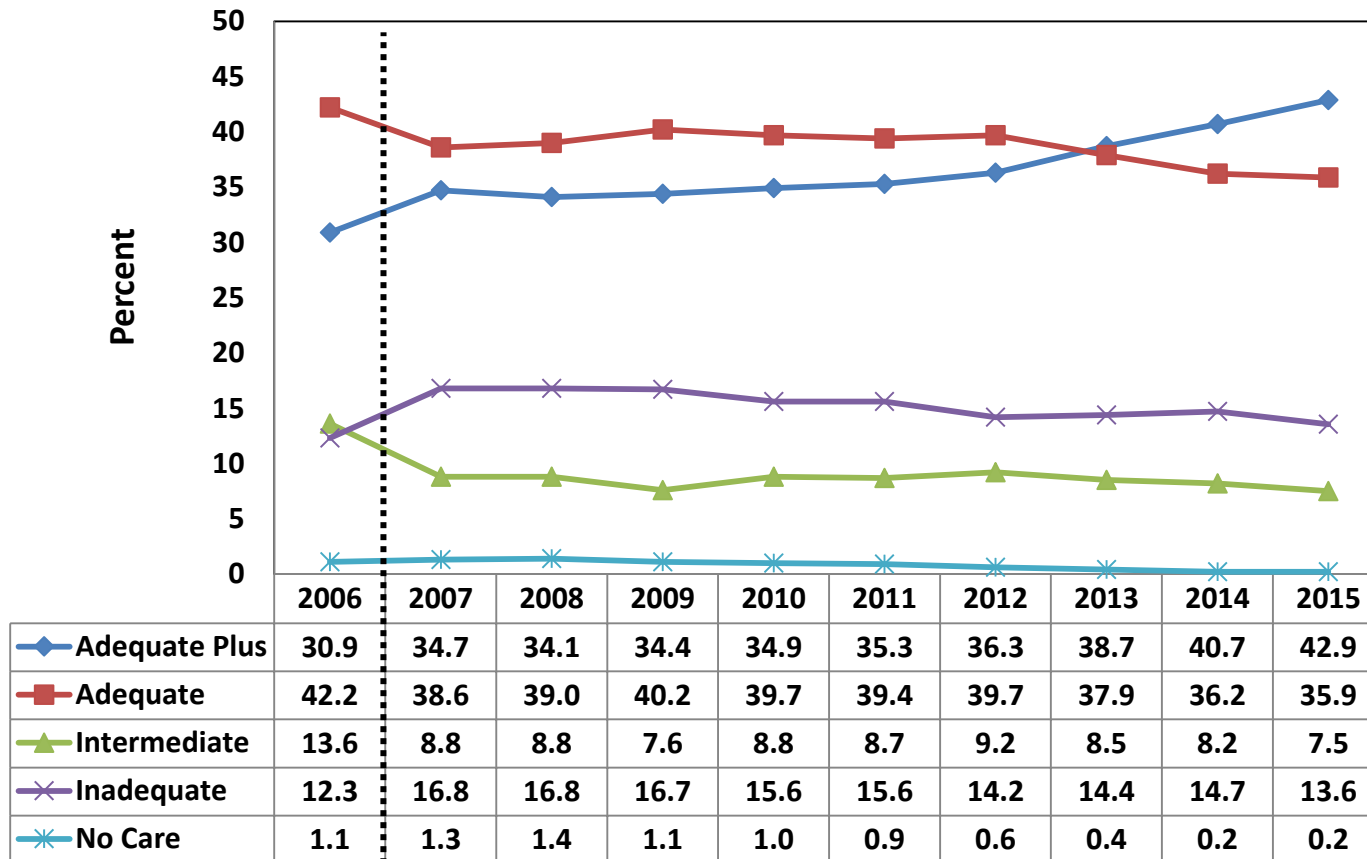


\*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information. Note: The values are percentages of live births and do not include the unknowns. Please note that 2014 numbers have been revised and reflect a change in the final year-end totals. This will not match the previous report.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Adequacy of Prenatal Care Utilization (Kotelchuck Index)\* White Population, Indiana Residents, 2006 – 2015

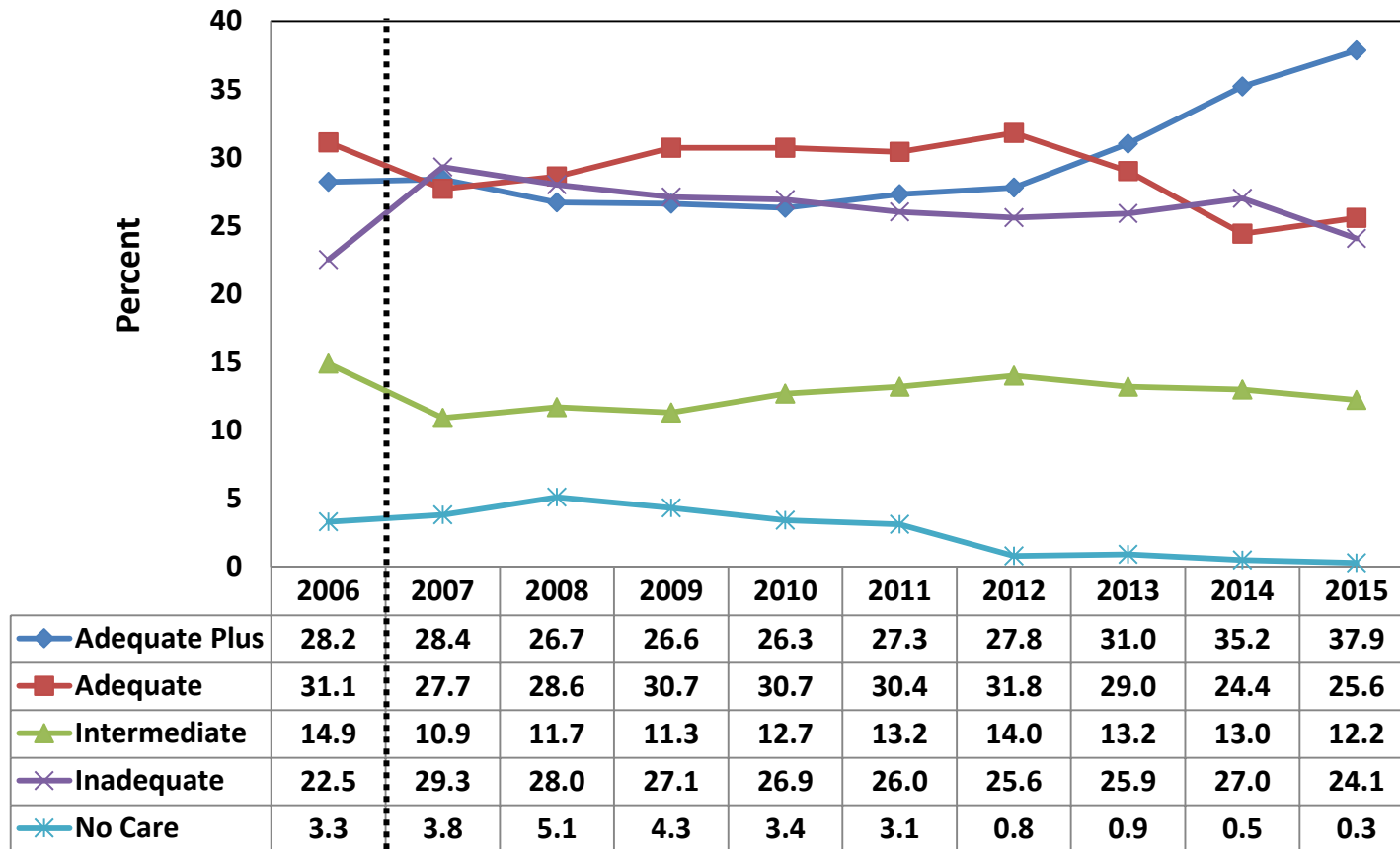


\*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information. Note: The values are percentages of live births and do not include the unknowns. Please note that 2014 numbers have been revised and reflect a change in the final year-end totals. This will not match the previous report.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Adequacy of Prenatal Care Utilization (Kotelchuck Index)\* Black Population, Indiana Residents, 2006 – 2015

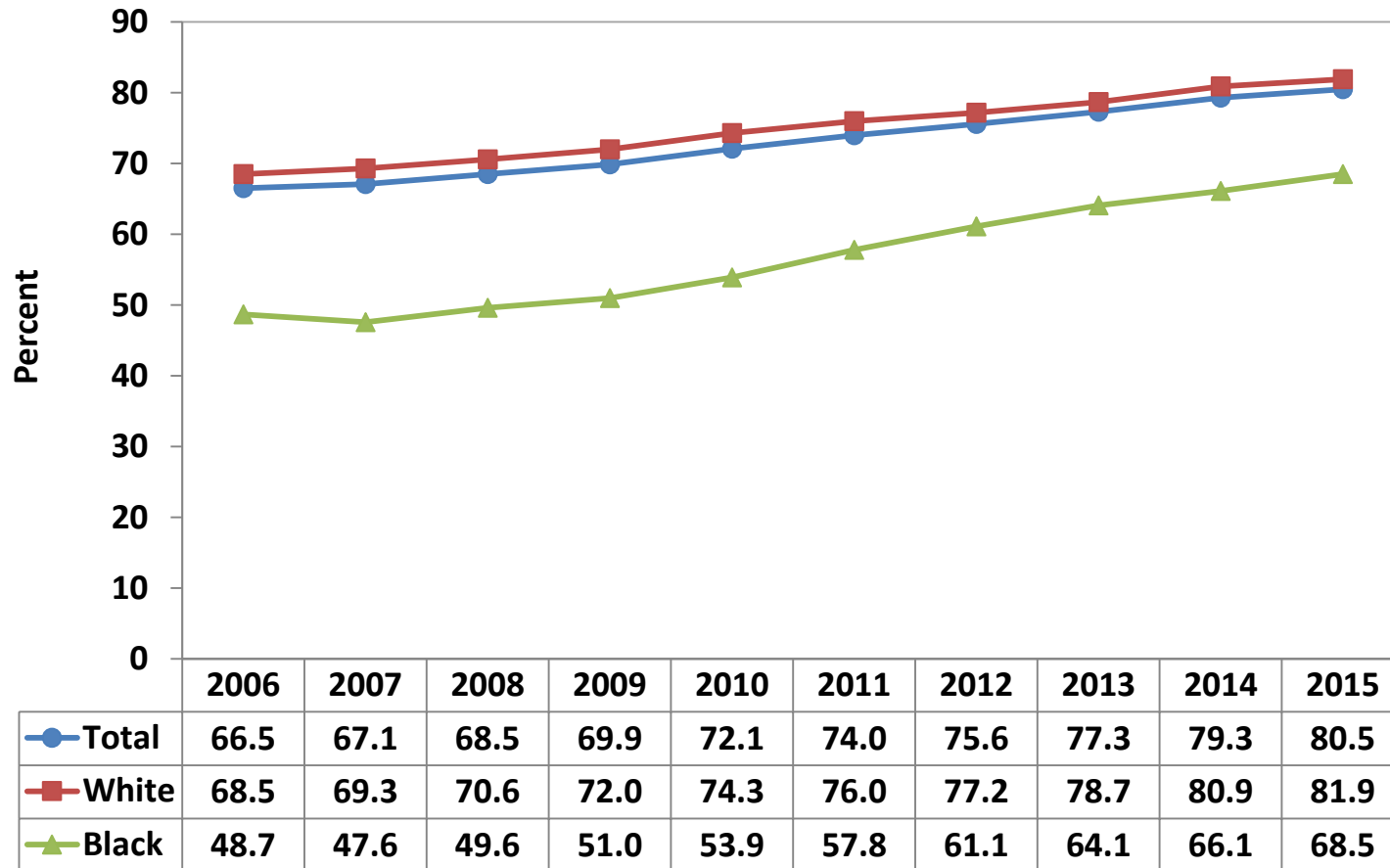


\*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information. Note: The values are percentages of live births and do not include the unknowns. Please note that 2014 numbers have been revised and reflect a change in the final year-end totals. This will not match the previous report.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

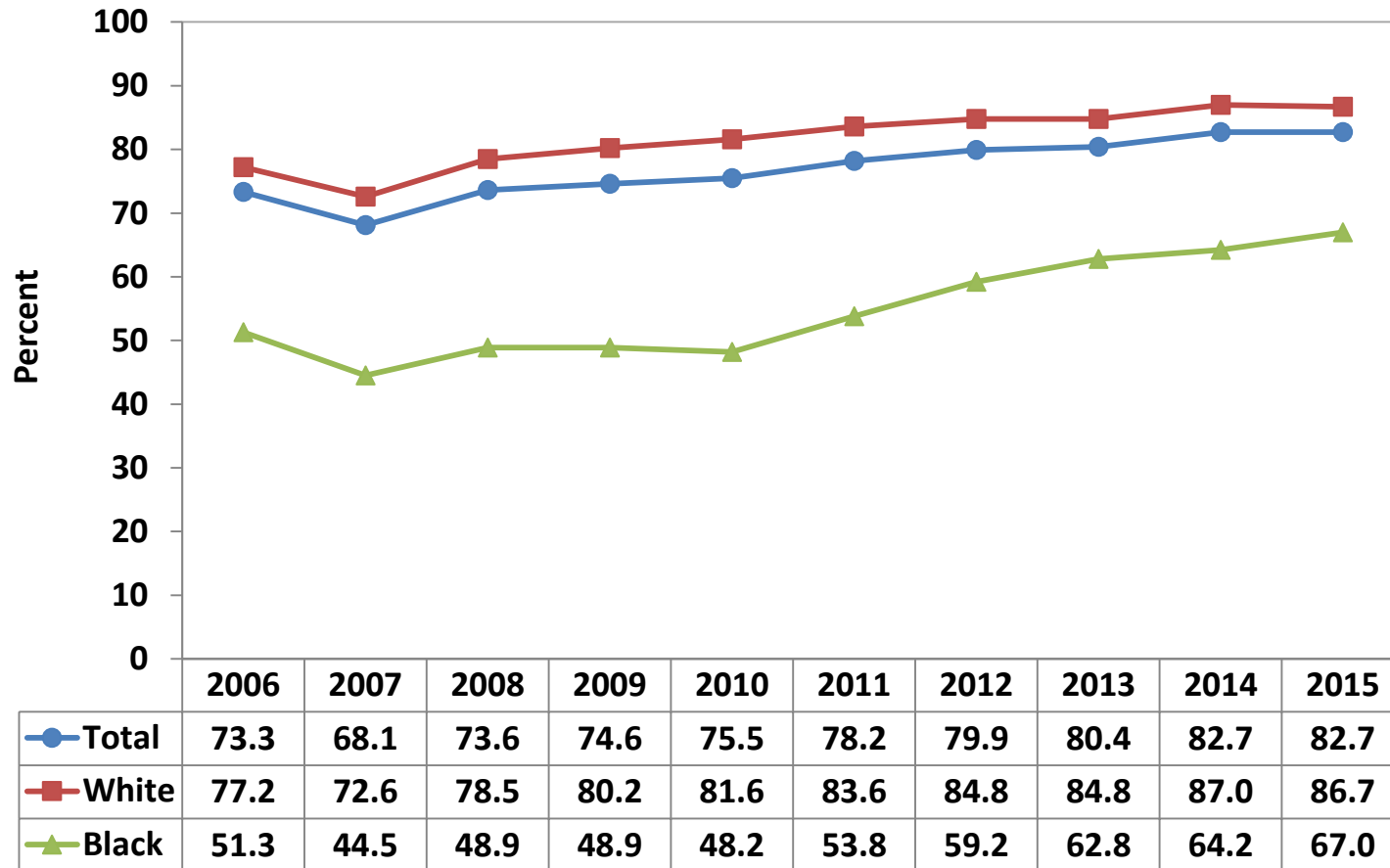
## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Indiana Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

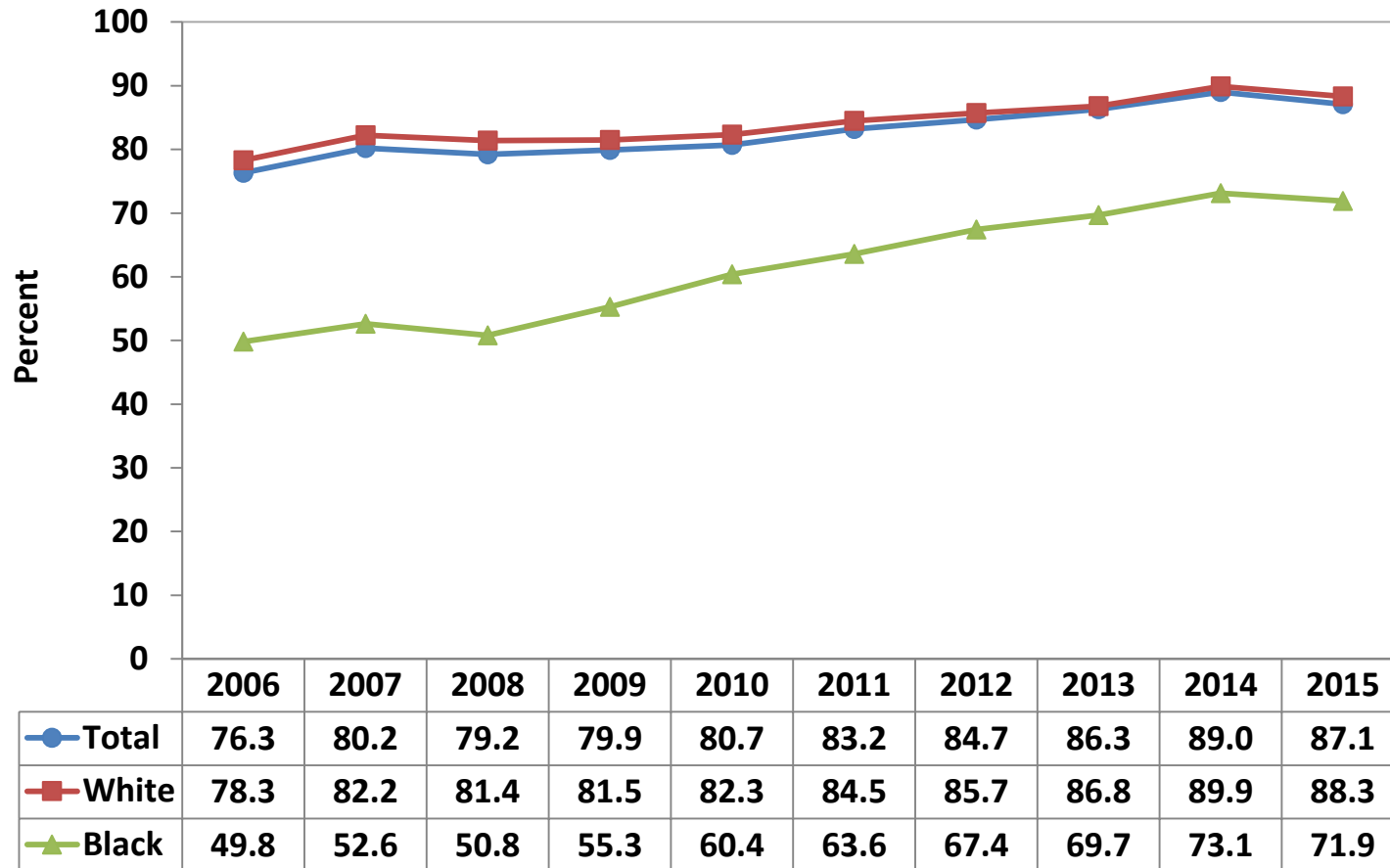
# Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Allen County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

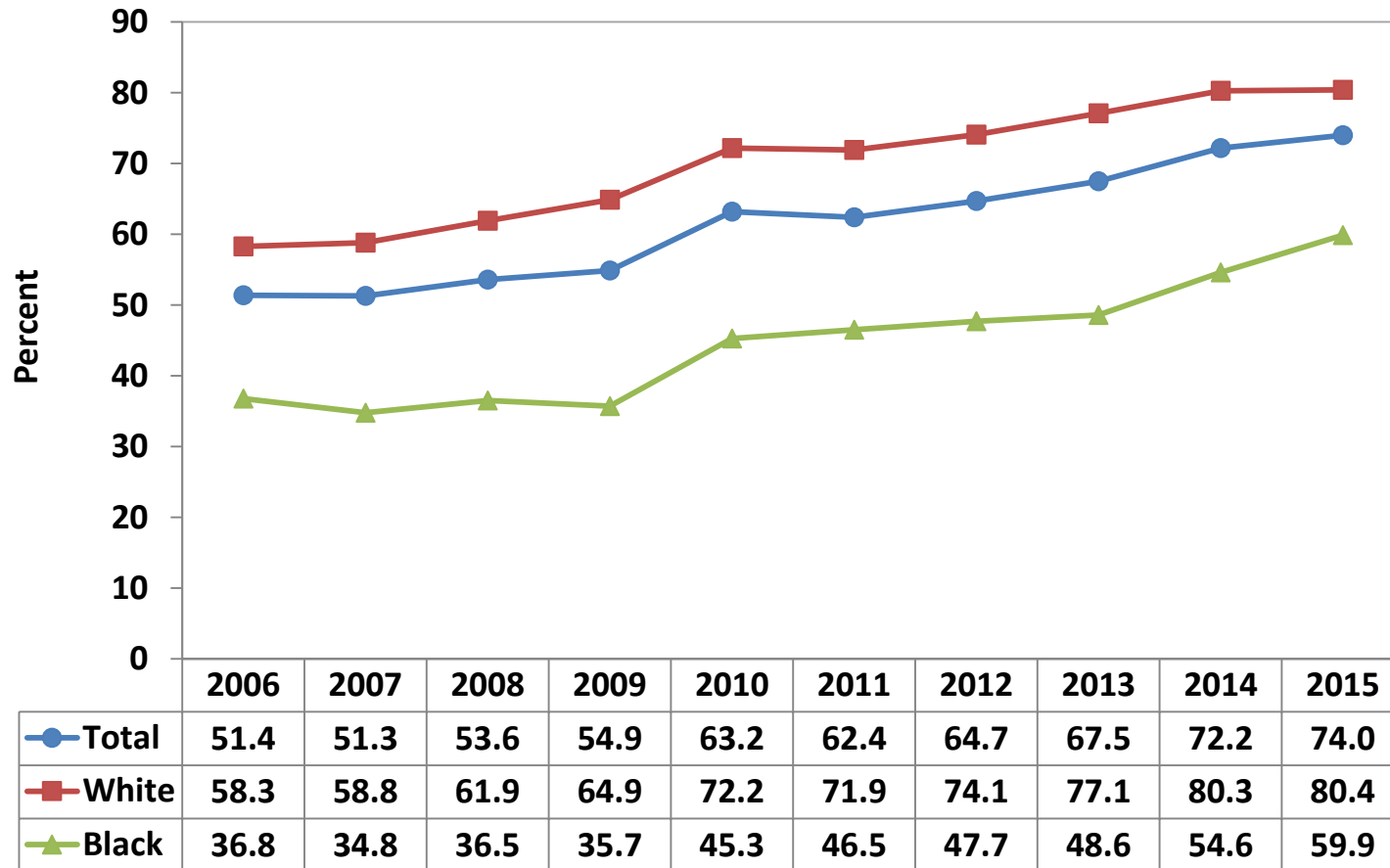
## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Elkhart County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

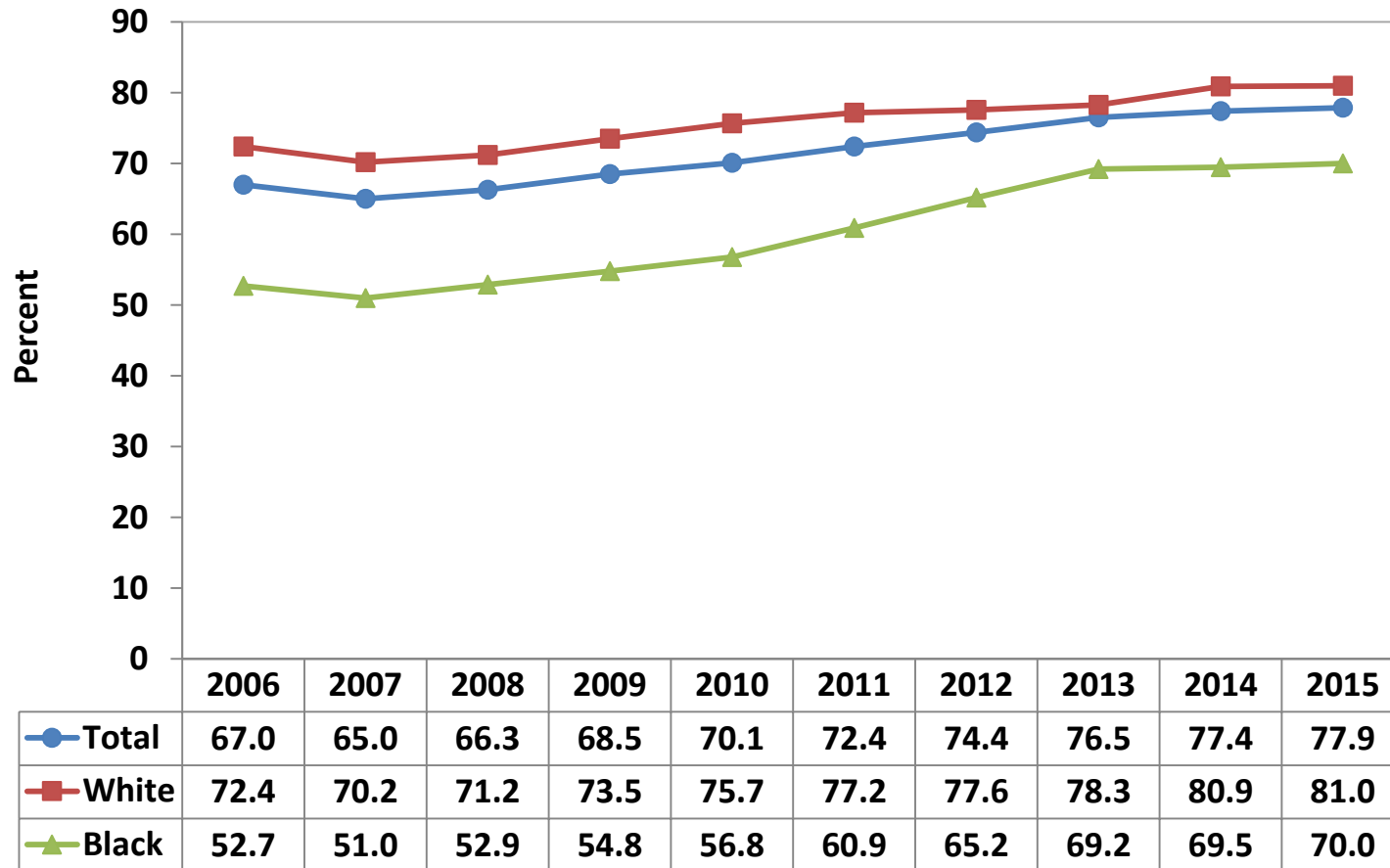
## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Lake County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Marion County Residents, 2006 – 2015

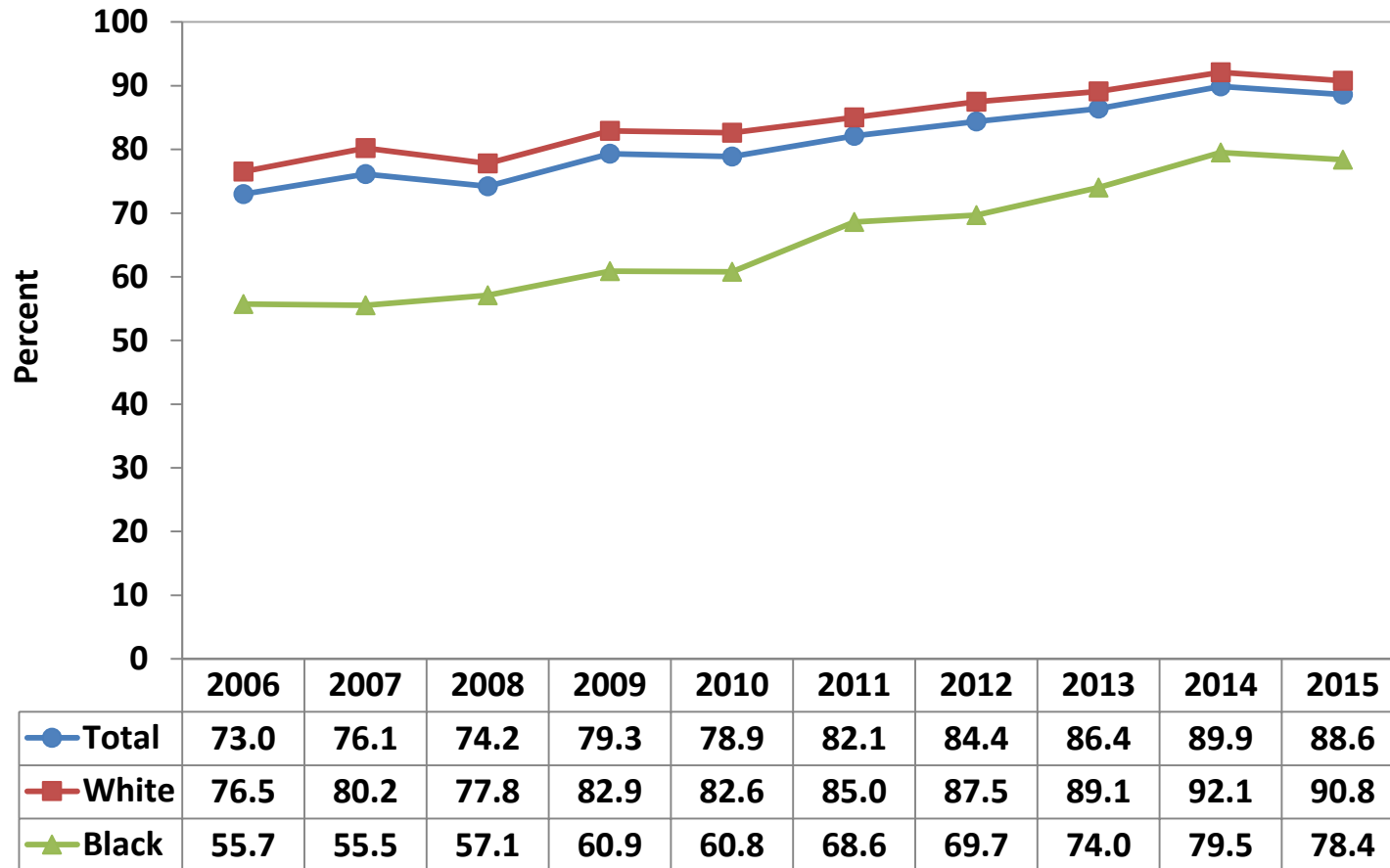


Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



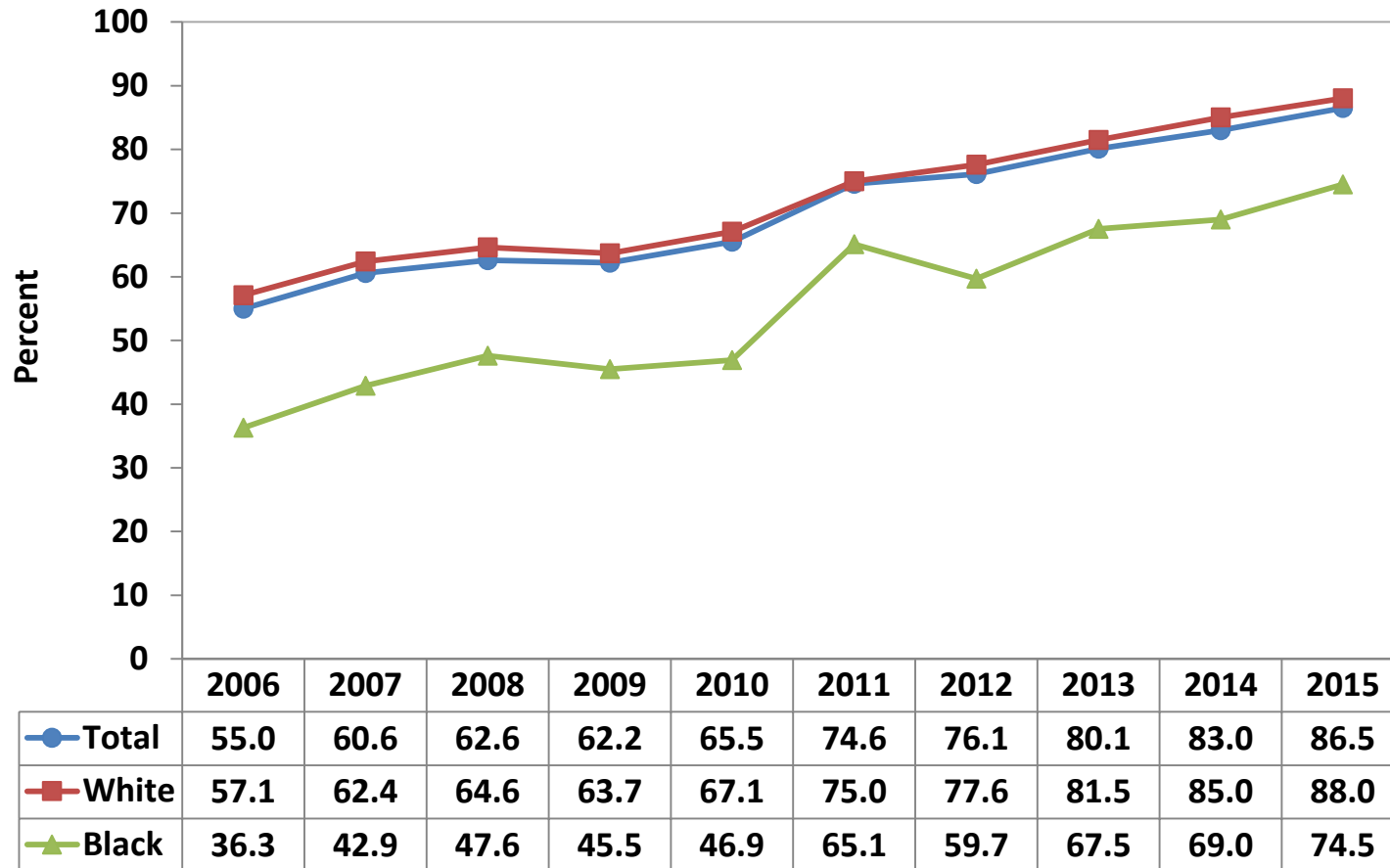
## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race St. Joseph County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

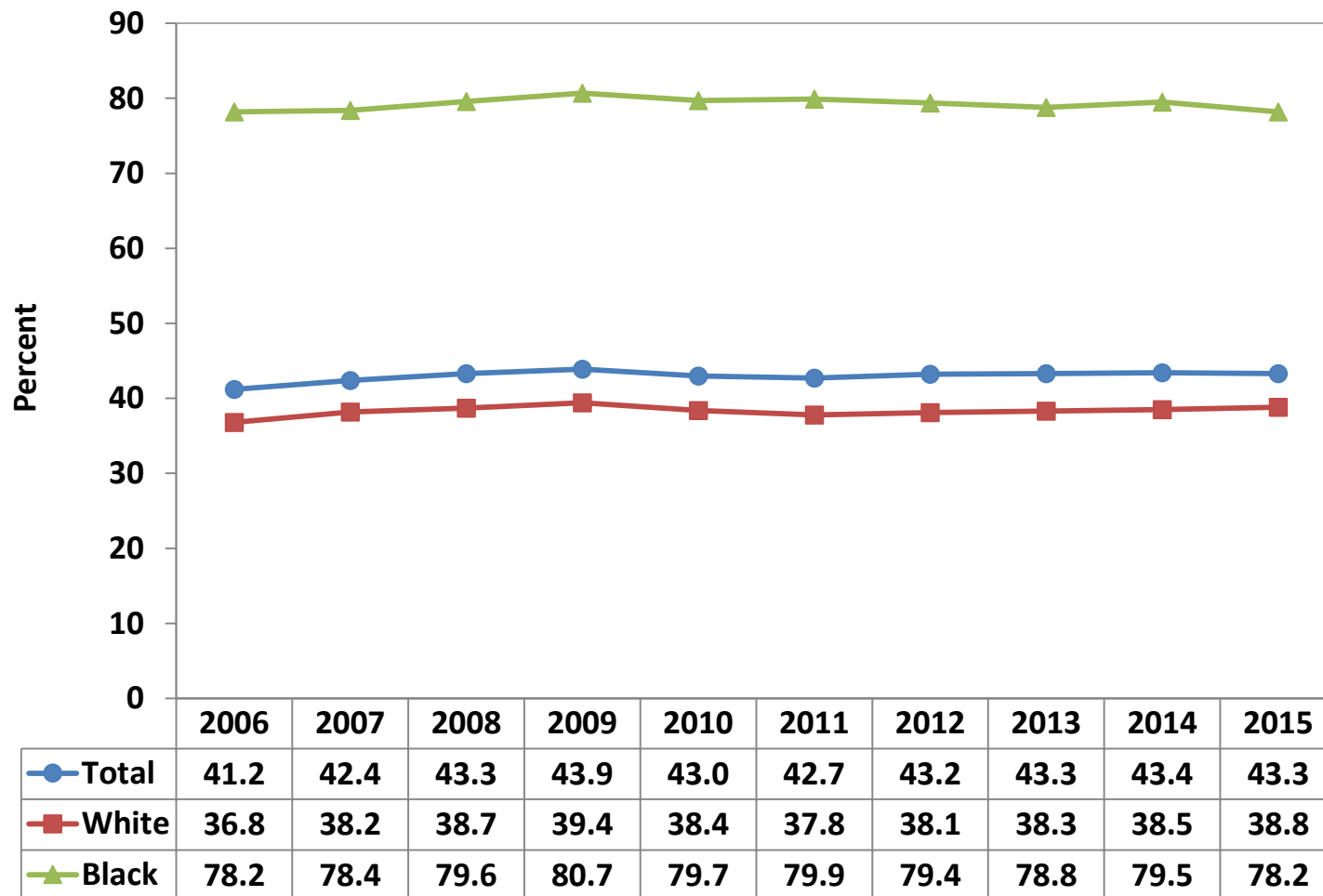
## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Vanderburgh County Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

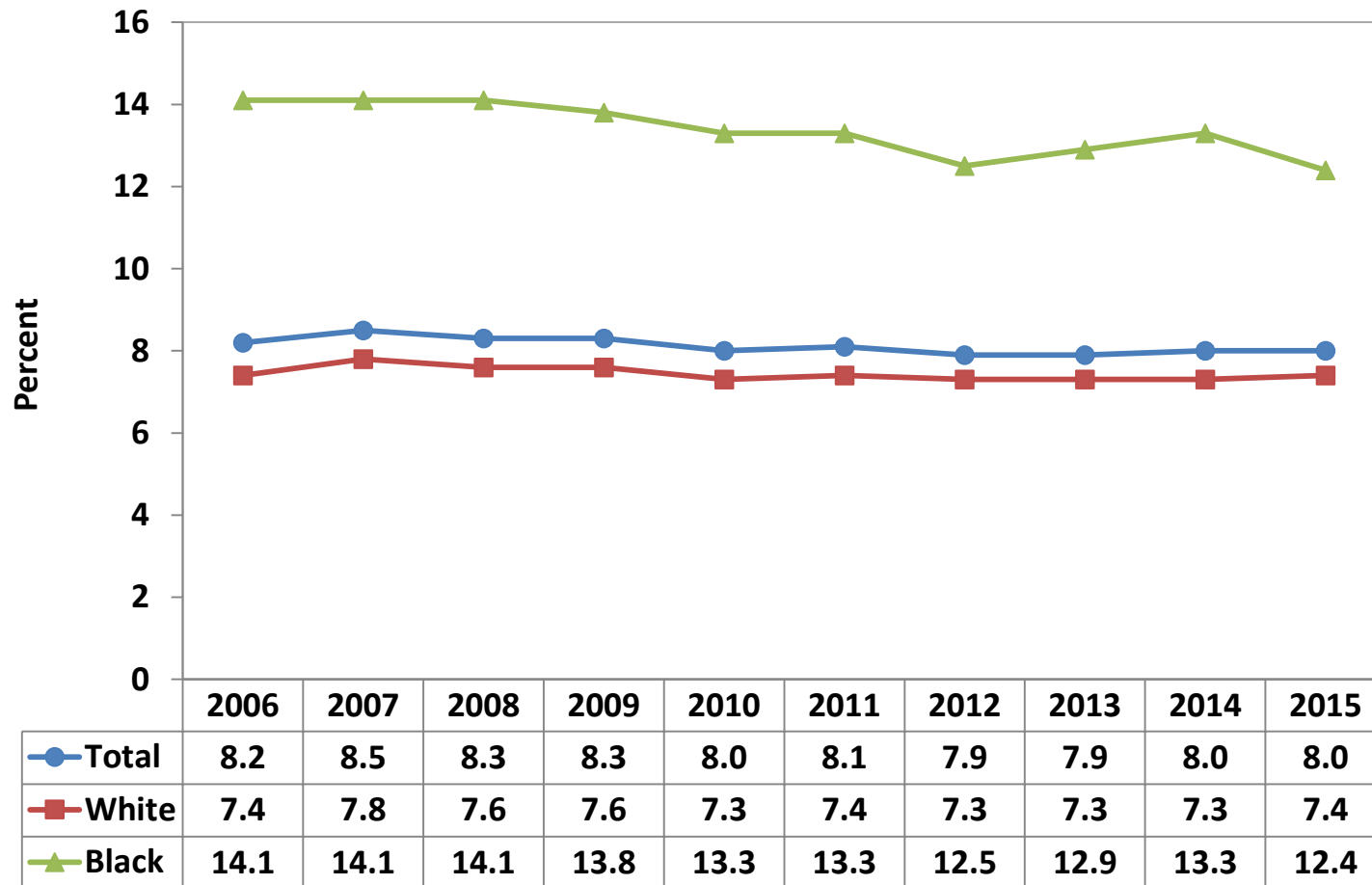
## Percent of Live Births to Unmarried Mothers by Race of Mother Indiana Residents, 2006 – 2015



Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Indiana Residents, 2006 – 2015

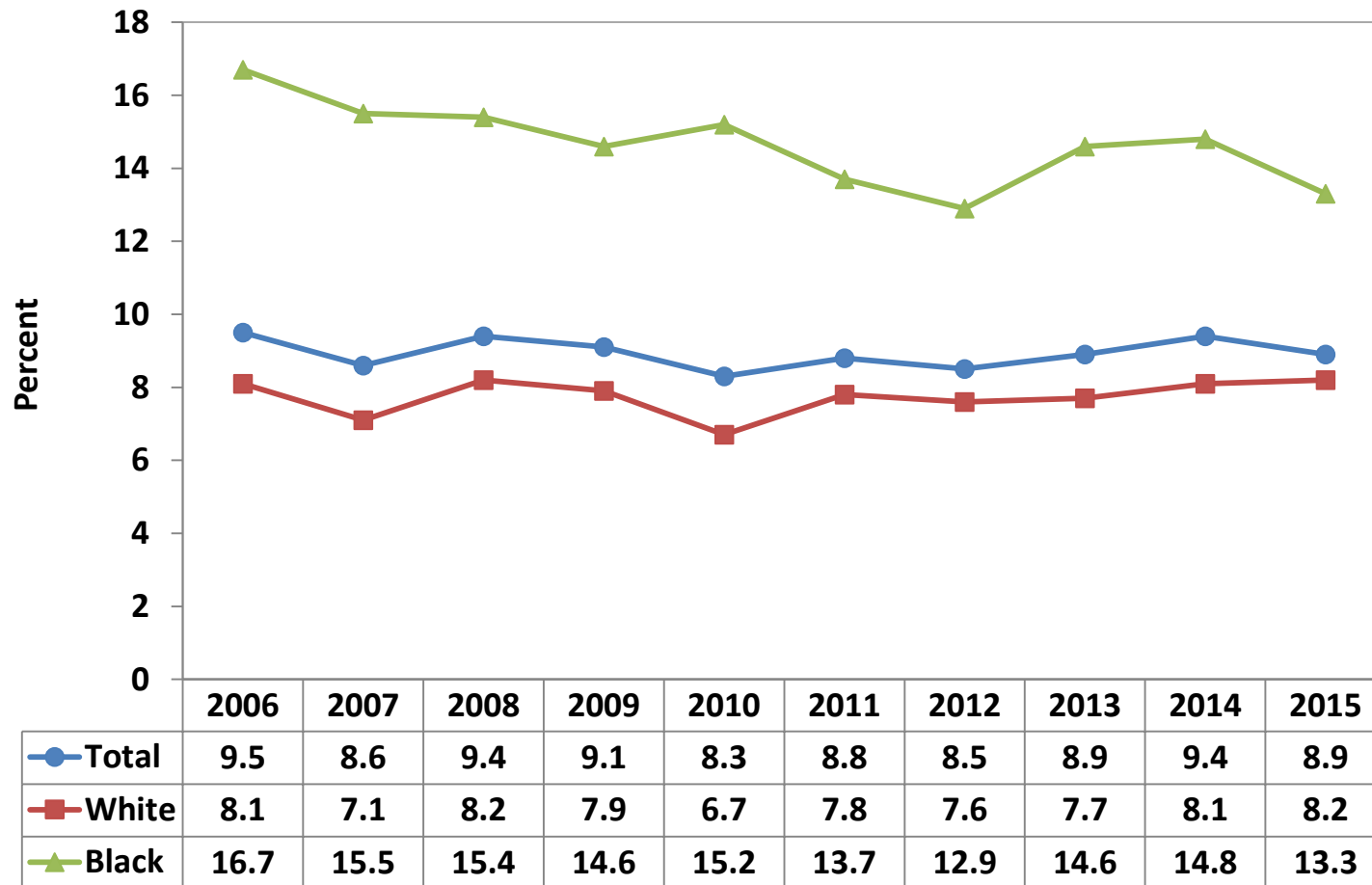


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Allen County Residents, 2006 – 2015

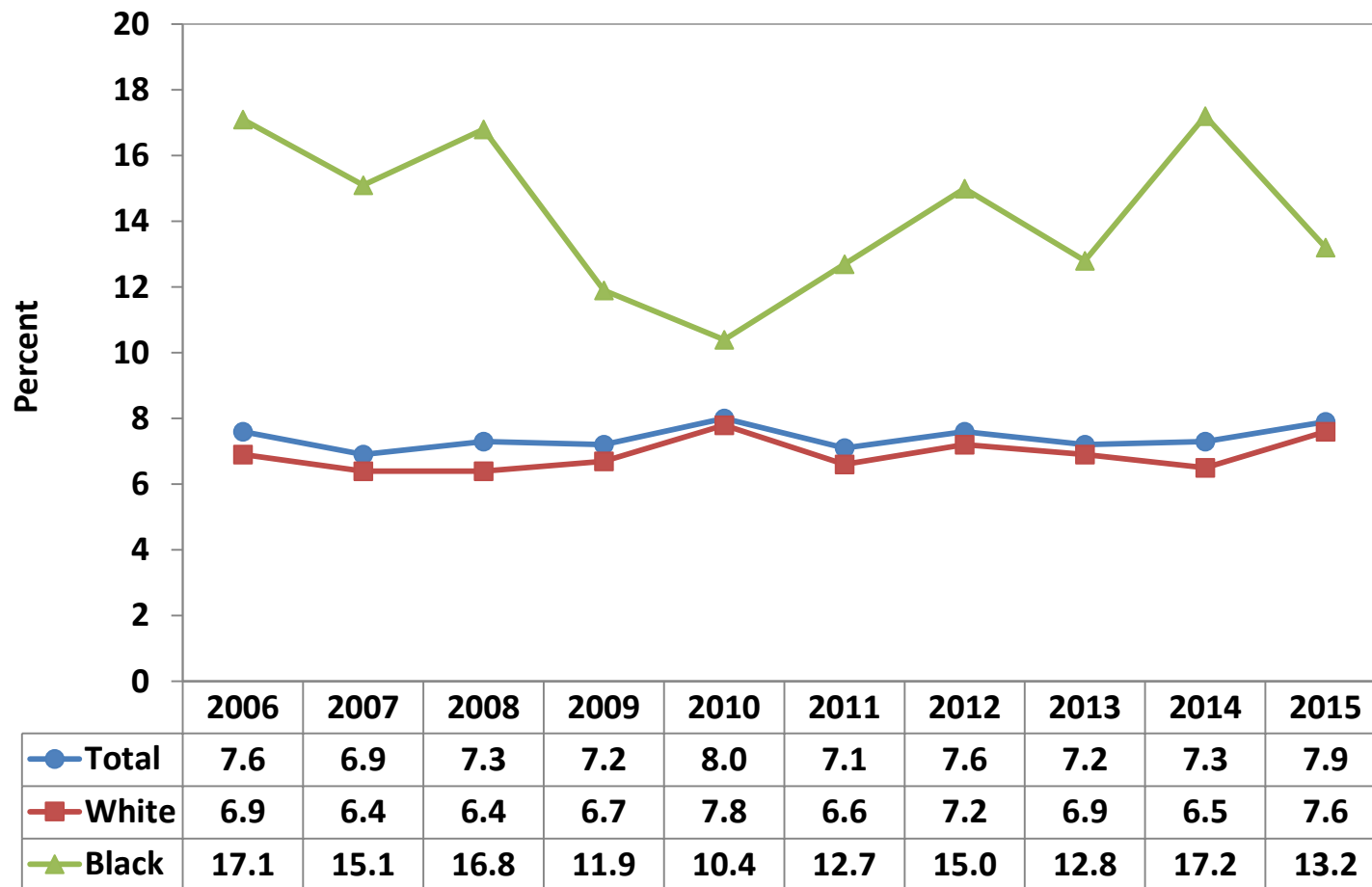


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Elkhart County Residents, 2006 – 2015

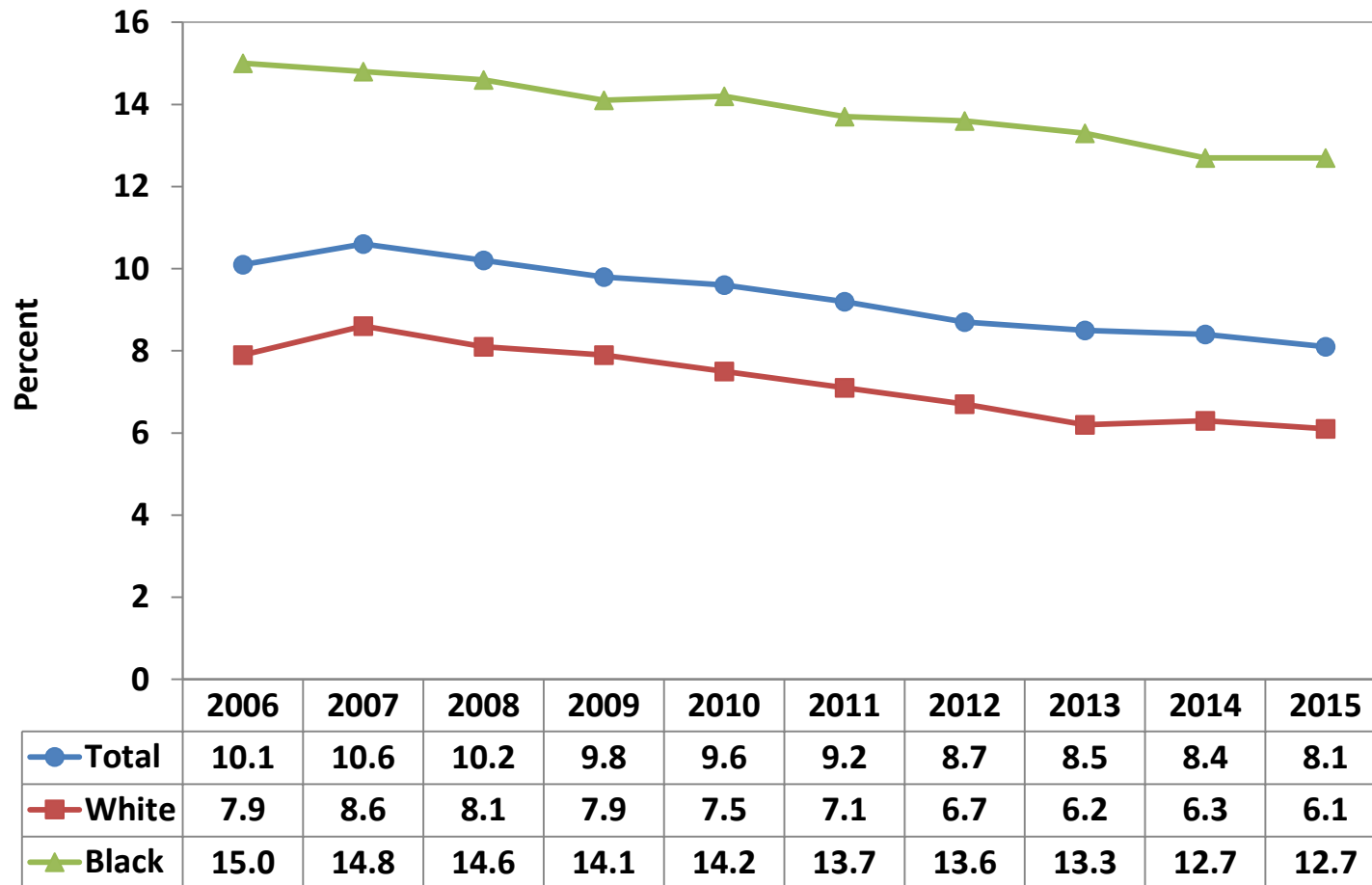


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Lake County Residents, 2006 – 2015

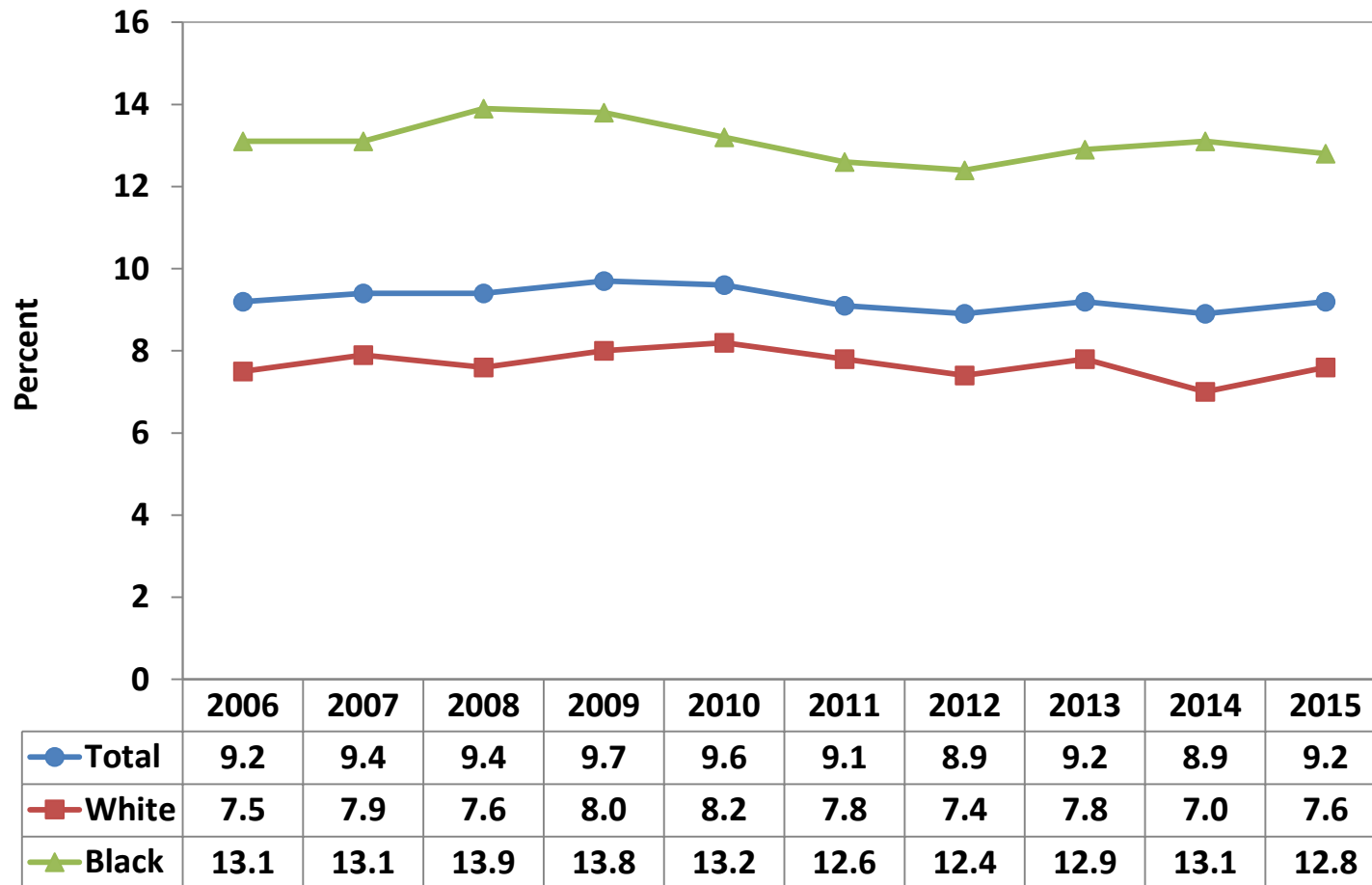


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Marion County Residents, 2006 – 2015



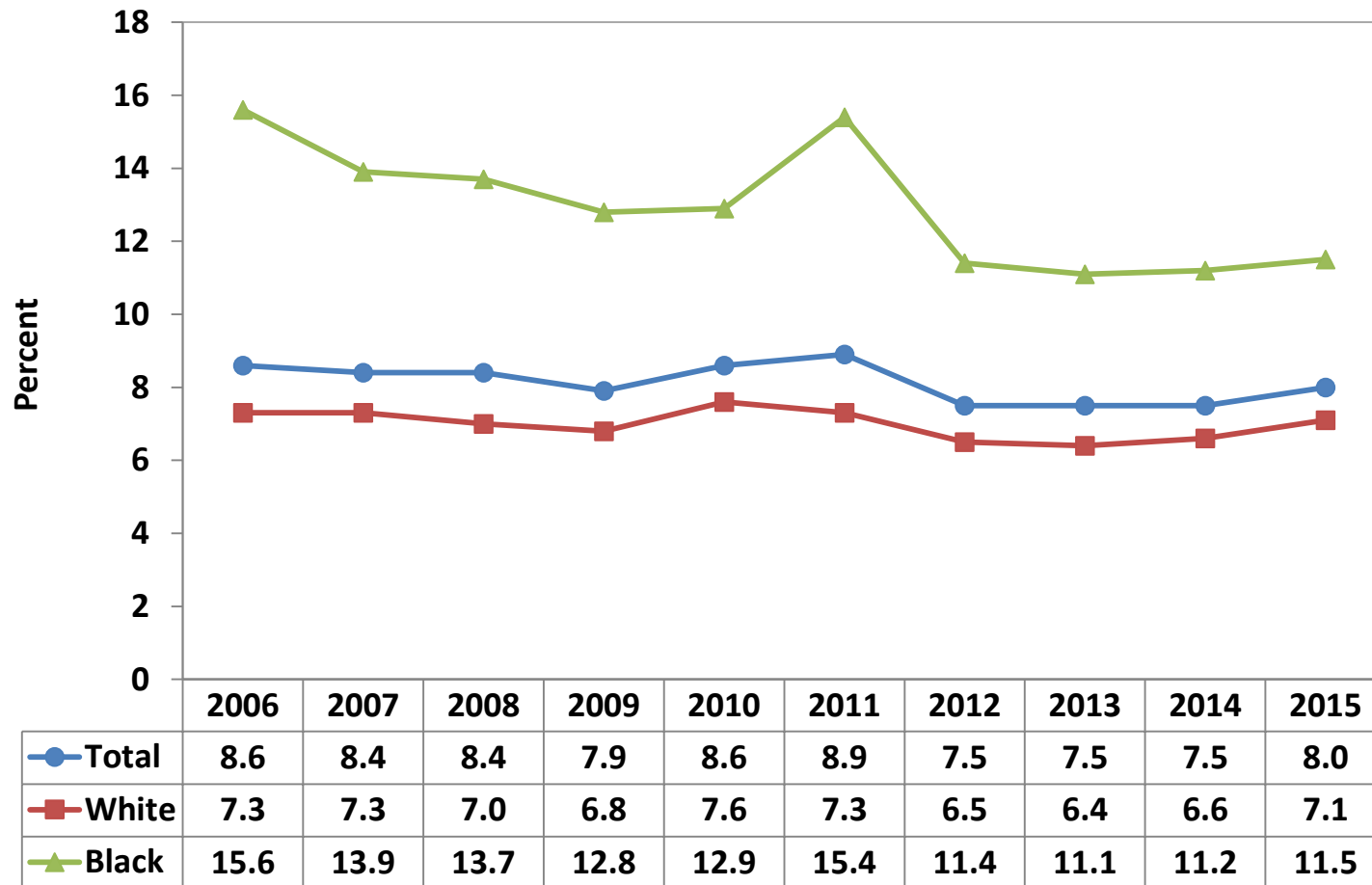
Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Percent of Low Birthweight Infants by Race of Mother St. Joseph County Residents, 2006 – 2015

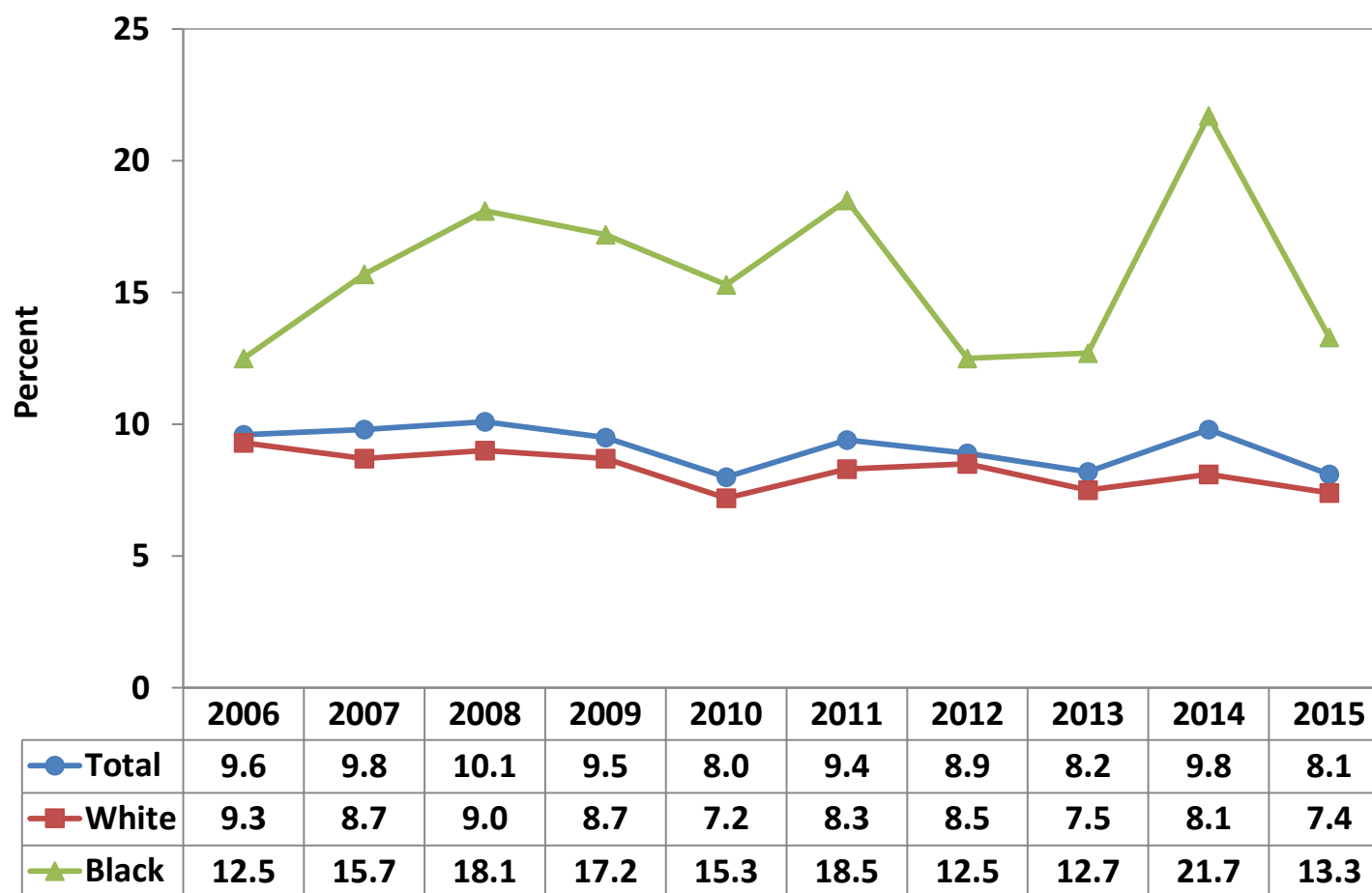


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Race of Mother Vanderburgh County Residents, 2006 – 2015

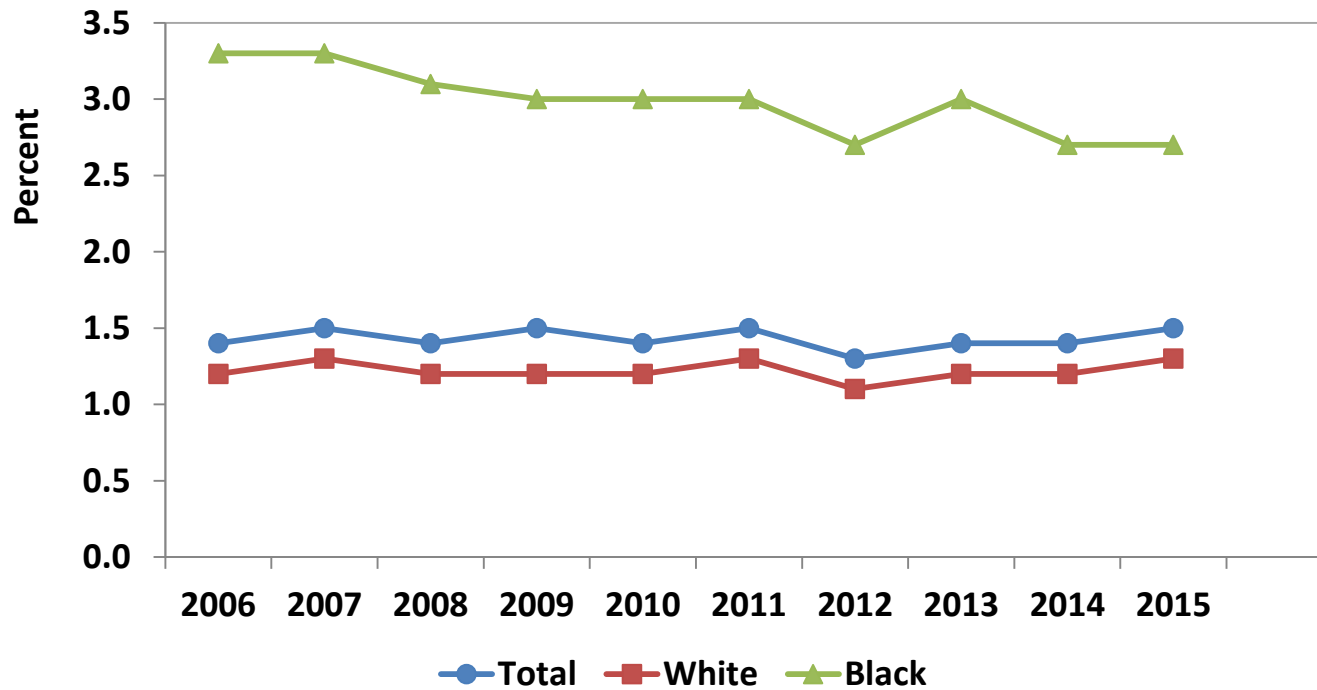


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother Indiana Residents, 2006 – 2015



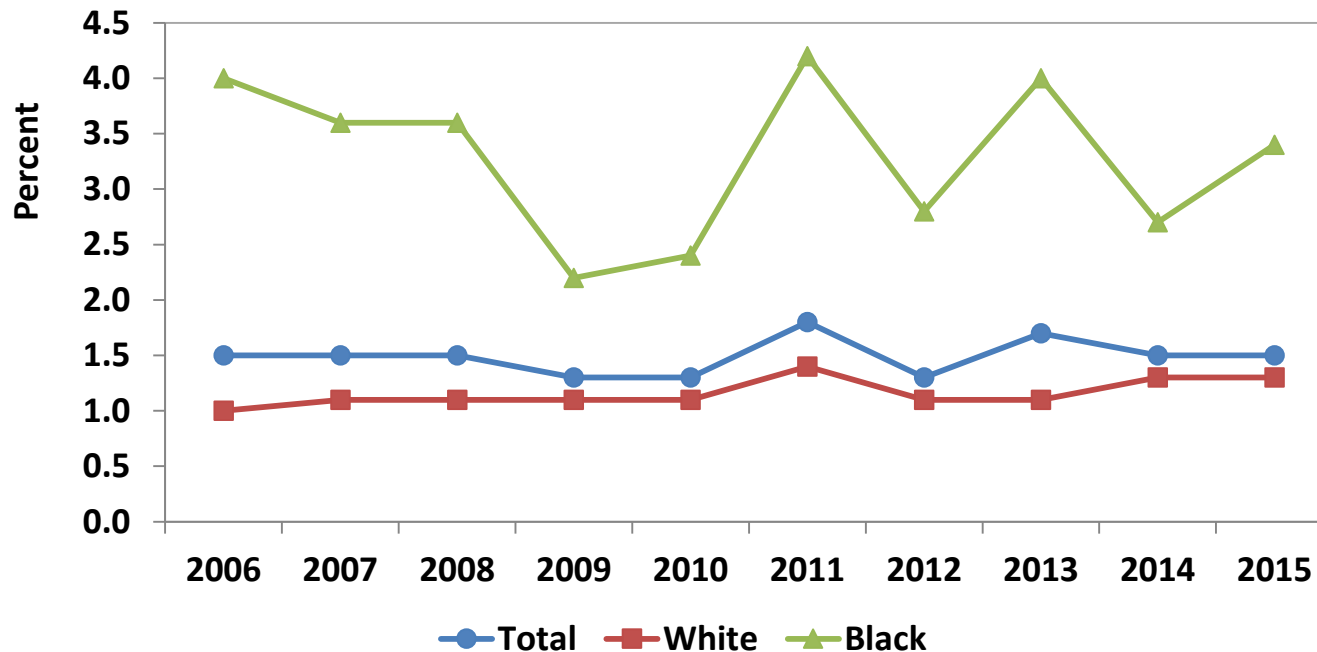
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	1.4	1.5	1.4	1.5	1.4	1.5	1.3	1.4	1.4	1.5
<b>White</b>	1.2	1.3	1.2	1.2	1.2	1.3	1.1	1.2	1.2	1.3
<b>Black</b>	3.3	3.3	3.1	3.0	3.0	3.0	2.7	3.0	2.7	2.7

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother Allen County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	1.5	1.5	1.5	1.3	1.3	1.8	1.3	1.7	1.5	1.5
White	1.0	1.1	1.1	1.1	1.1	1.4	1.1	1.1	1.3	1.3
Black	4.0	3.6	3.6	2.2*	2.4	4.2	2.8	4.0	2.7	3.4

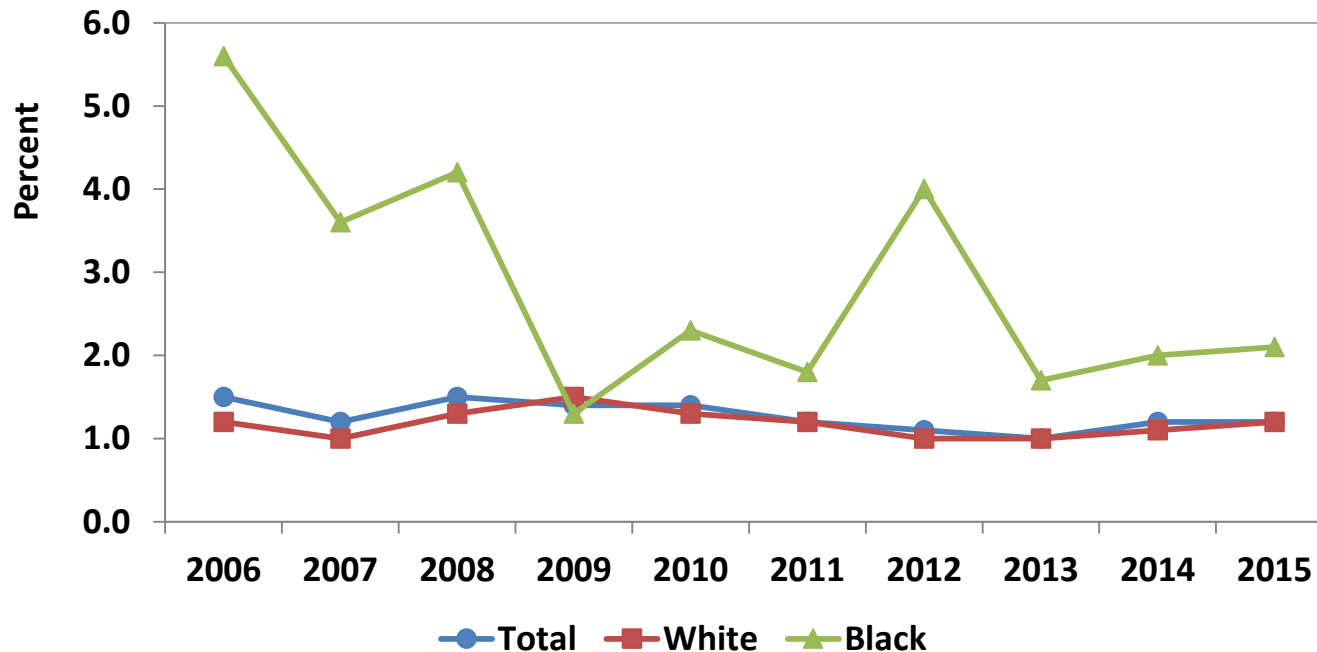
\*Numerator is less than 20, the percent is unstable. We do not recommend comparing unstable percentages.

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother Elkhart County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	1.5	1.2	1.5	1.4	1.4	1.2	1.1	1.0	1.2	1.2
<b>White</b>	1.2	1.0	1.3	1.5	1.3	1.2	1.0	1.0	1.1	1.2
<b>Black</b>	5.6*	3.6*	4.2*	1.3*	2.3*	1.8*	4.0*	1.7*	2.0*	2.1*

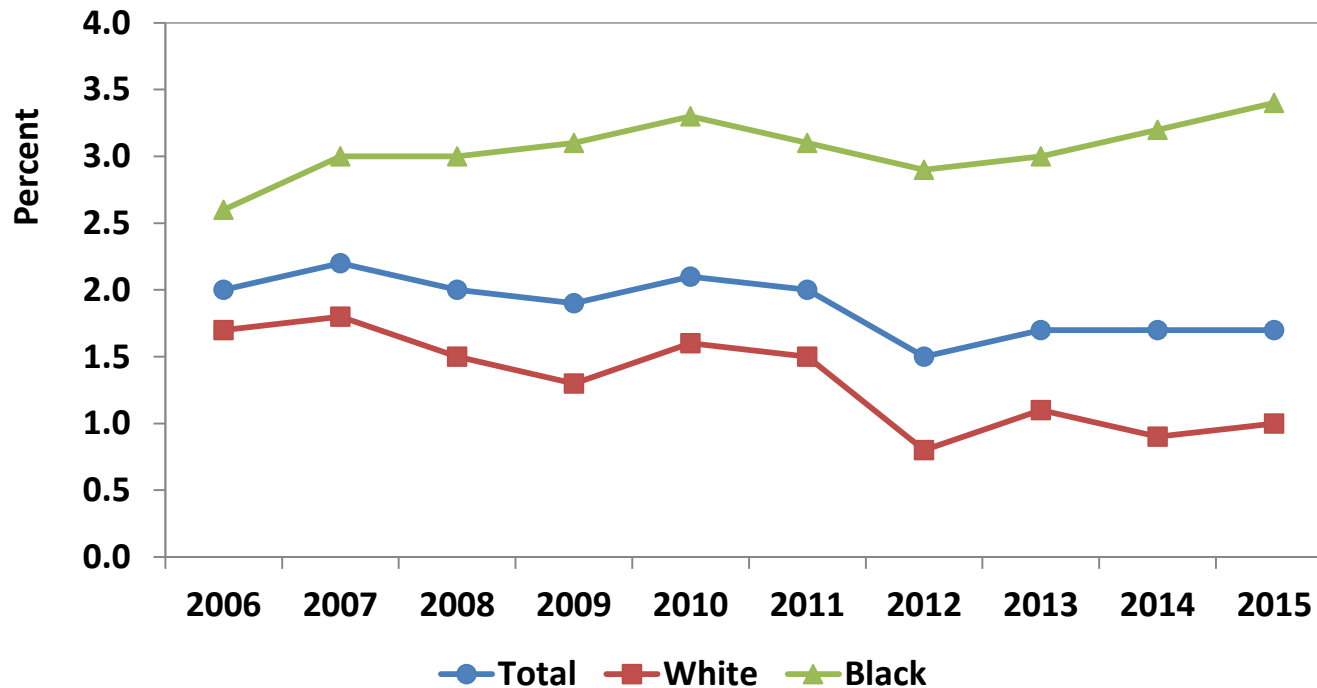
\*Numerator is less than 20, the percent is unstable. We do not recommend comparing unstable percentages.

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother Lake County Residents, 2006 – 2015



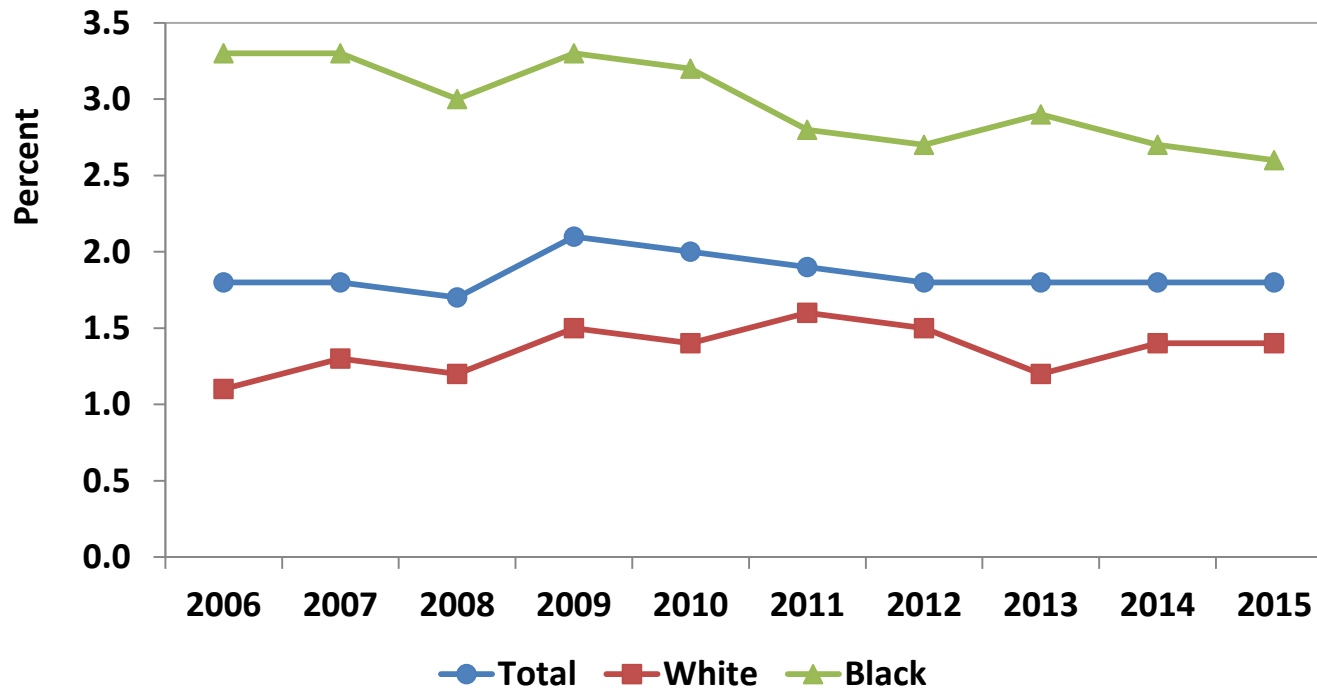
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	2.0	2.2	2.0	1.9	2.1	2.0	1.5	1.7	1.7	1.7
<b>White</b>	1.7	1.8	1.5	1.3	1.6	1.5	0.8	1.1	0.9	1.0
<b>Black</b>	2.6	3.0	3.0	3.1	3.3	3.1	2.9	3.0	3.2	3.4

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother Marion County Residents, 2006 – 2015



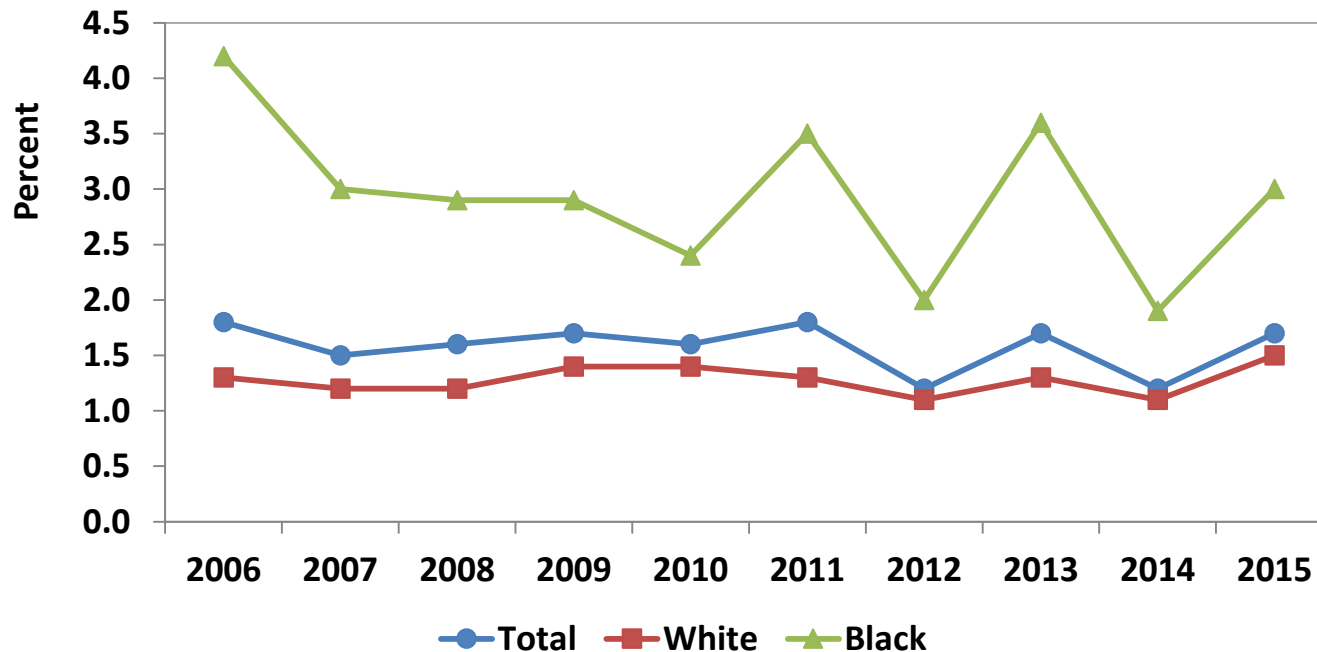
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	1.8	1.8	1.7	2.1	2.0	1.9	1.8	1.8	1.8	1.8
<b>White</b>	1.1	1.3	1.2	1.5	1.4	1.6	1.5	1.2	1.4	1.4
<b>Black</b>	3.3	3.3	3.0	3.3	3.2	2.8	2.7	2.9	2.7	2.6

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Race of Mother St. Joseph County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total	1.8	1.5	1.6	1.7	1.6	1.8	1.2	1.7	1.2	1.7
White	1.3	1.2	1.2	1.4	1.4	1.3	1.1	1.3	1.1	1.5
Black	4.2	3.0	2.9	2.9	2.4*	3.5	2.0	3.6	1.9*	3.0

\*Numerator is less than 20, the percent is unstable. We do not recommend comparing unstable percentages.

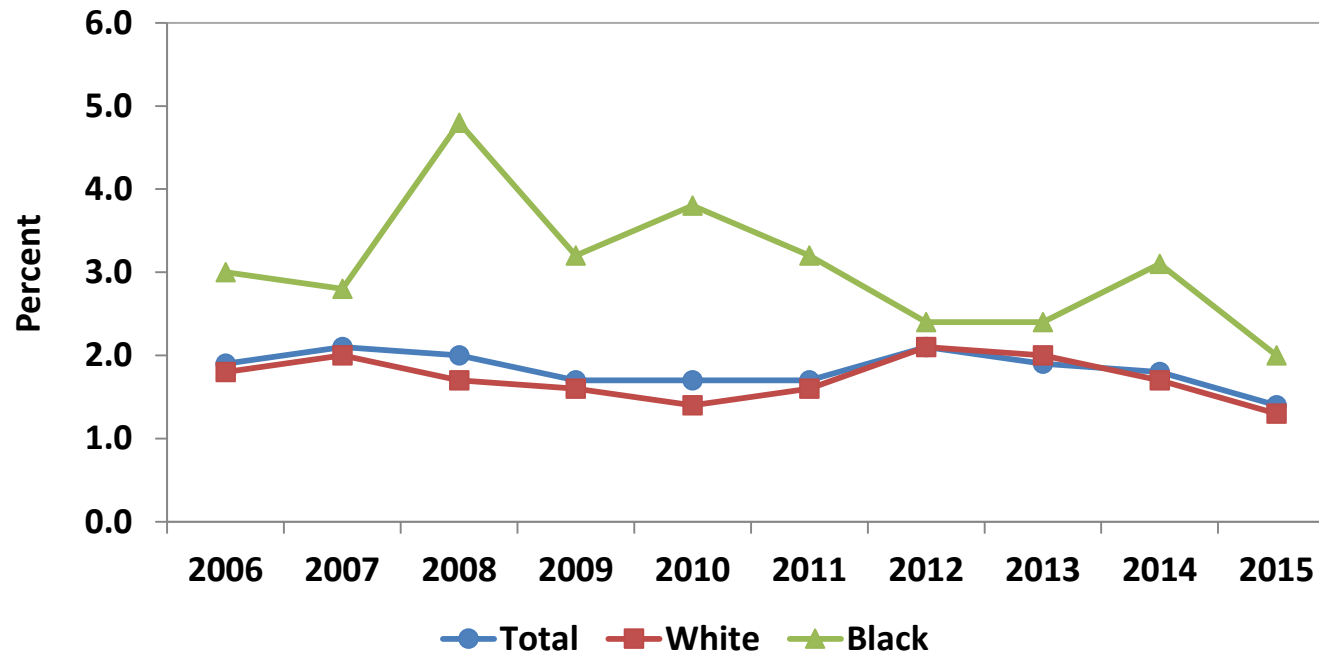
Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Percent of Very Low Birthweight Infants by Race of Mother Vanderburgh County Residents, 2006 – 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Total</b>	1.9	2.1	2.0	1.7	1.7	1.7	2.1	1.9	1.8	1.4
<b>White</b>	1.8	2.0	1.7	1.6	1.4	1.6	2.1	2.0	1.7	1.3
<b>Black</b>	3.0*	2.8*	4.8*	3.2*	3.8*	3.2*	2.4*	2.4*	3.1*	2.0*

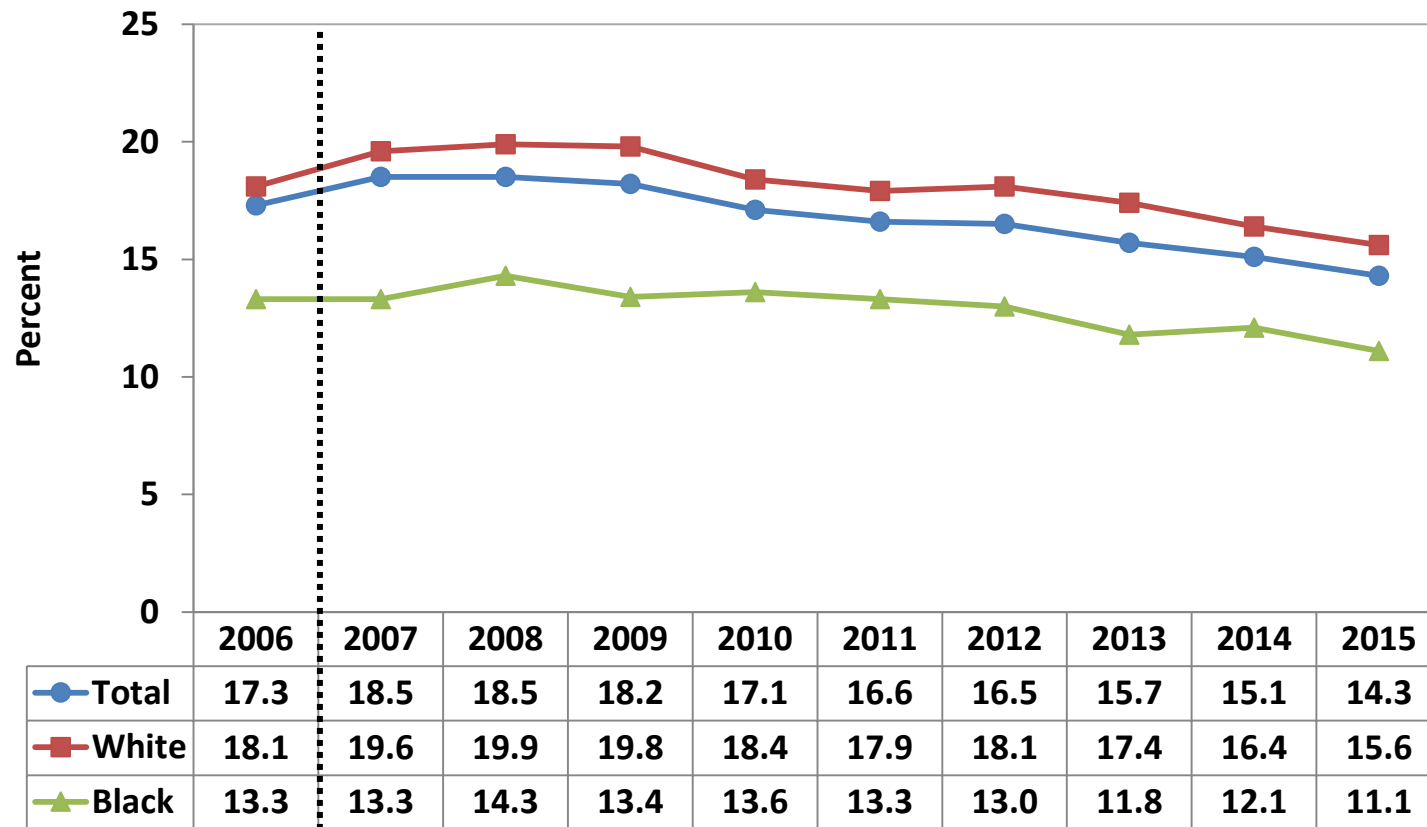
\*Numerator is less than 20, the percent is unstable. We do not recommend comparing unstable percentages.

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Indiana Residents, 2006 – 2015

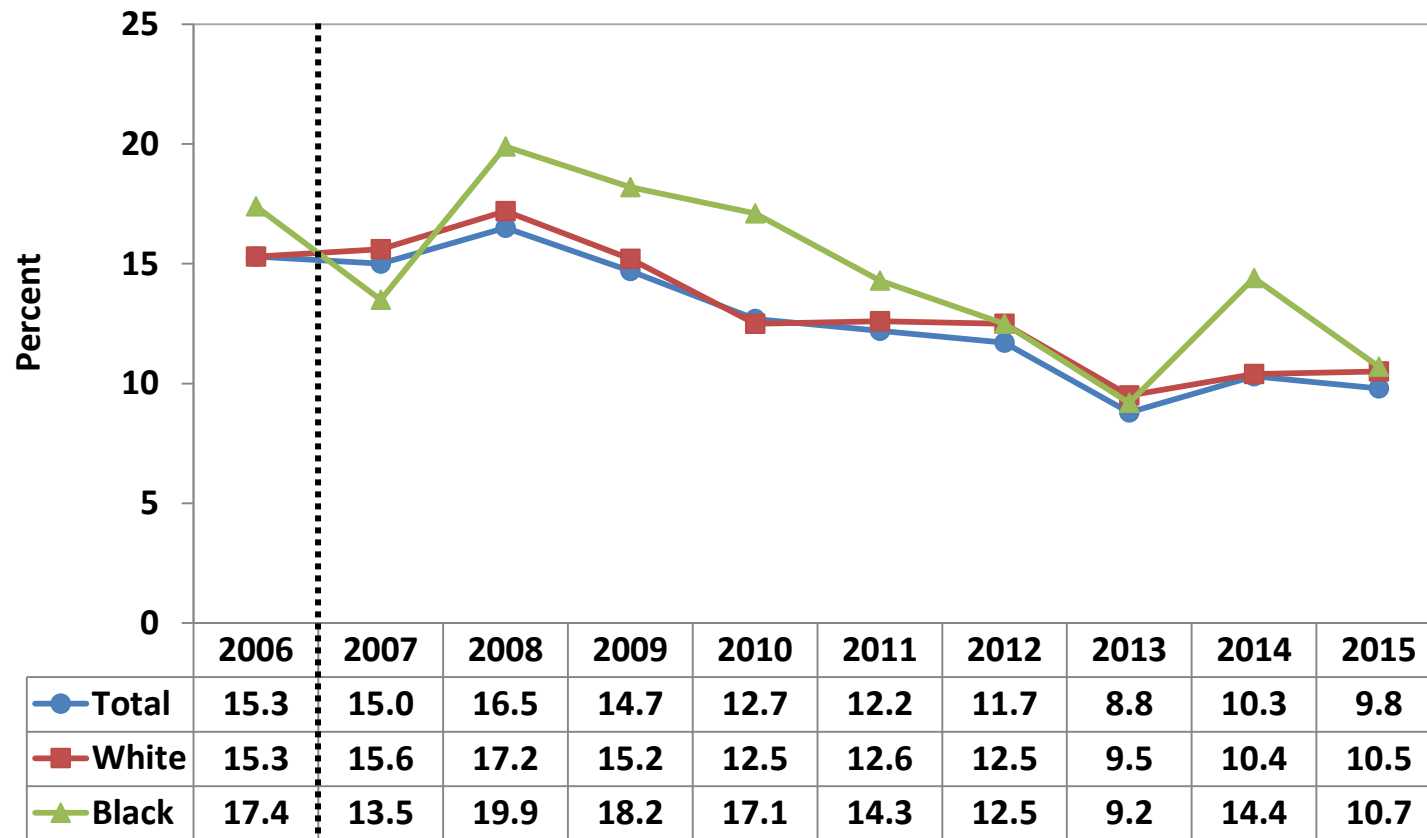


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Allen County Residents, 2006 – 2015

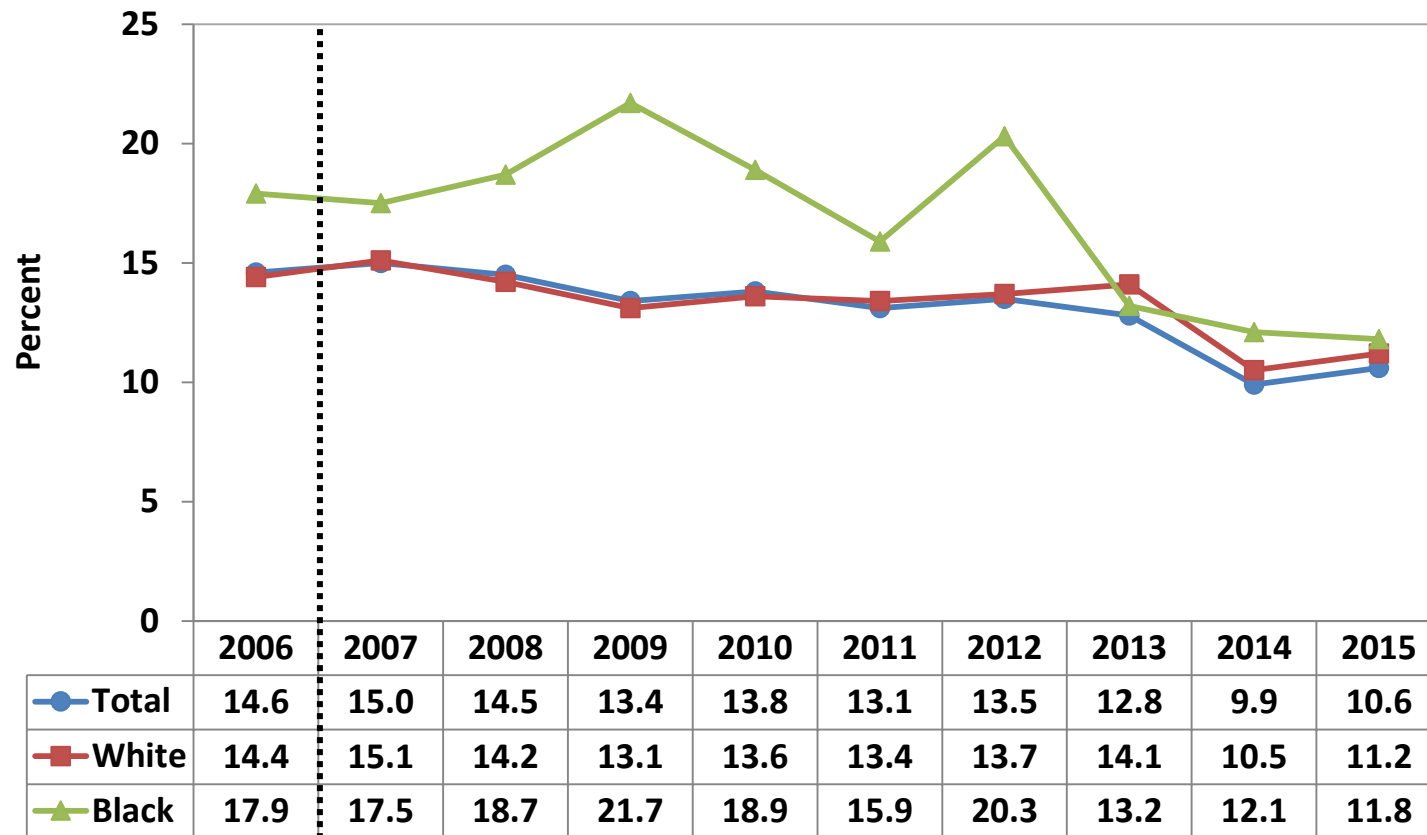


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Elkhart County Residents, 2006 – 2015

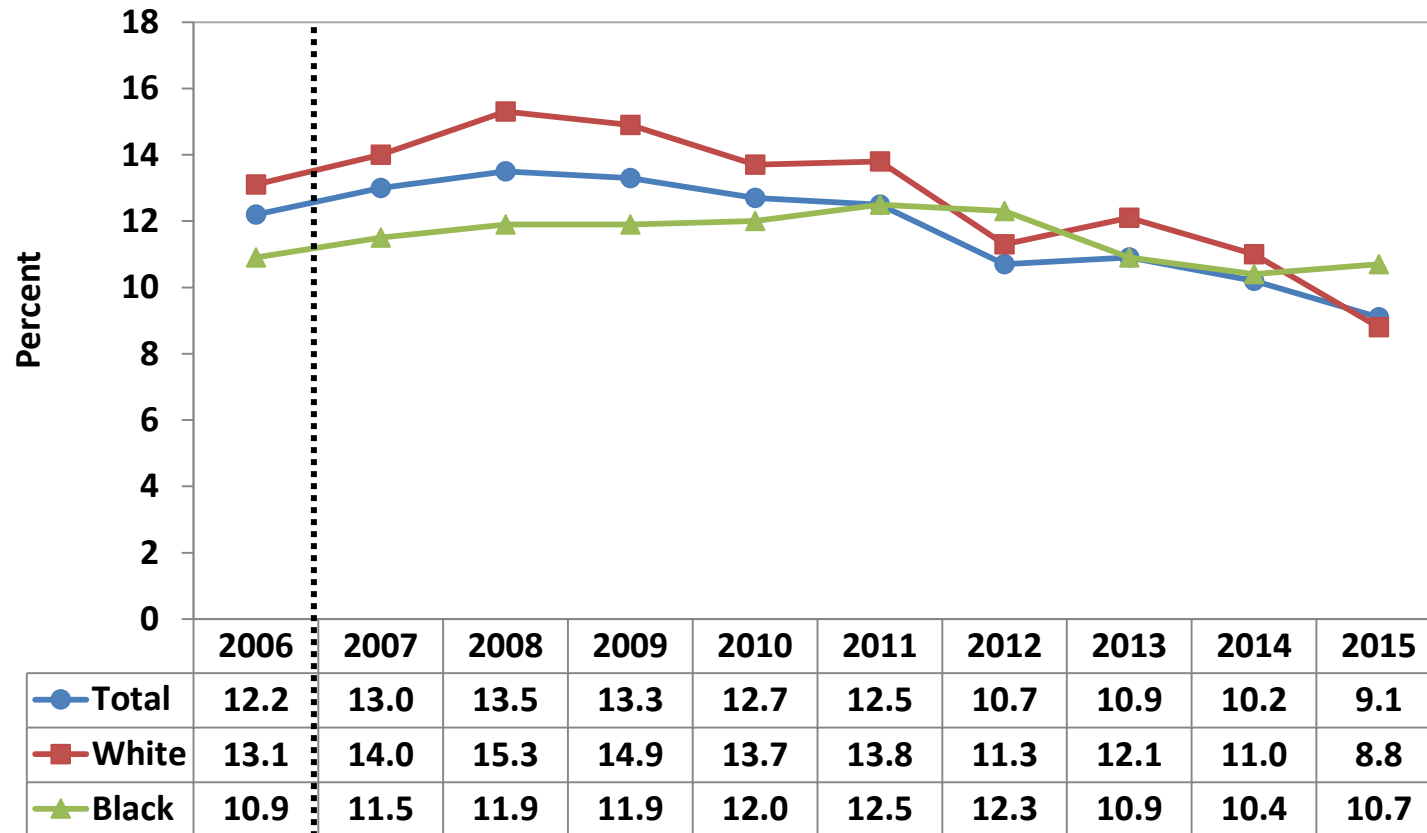


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Lake County Residents, 2006 – 2015

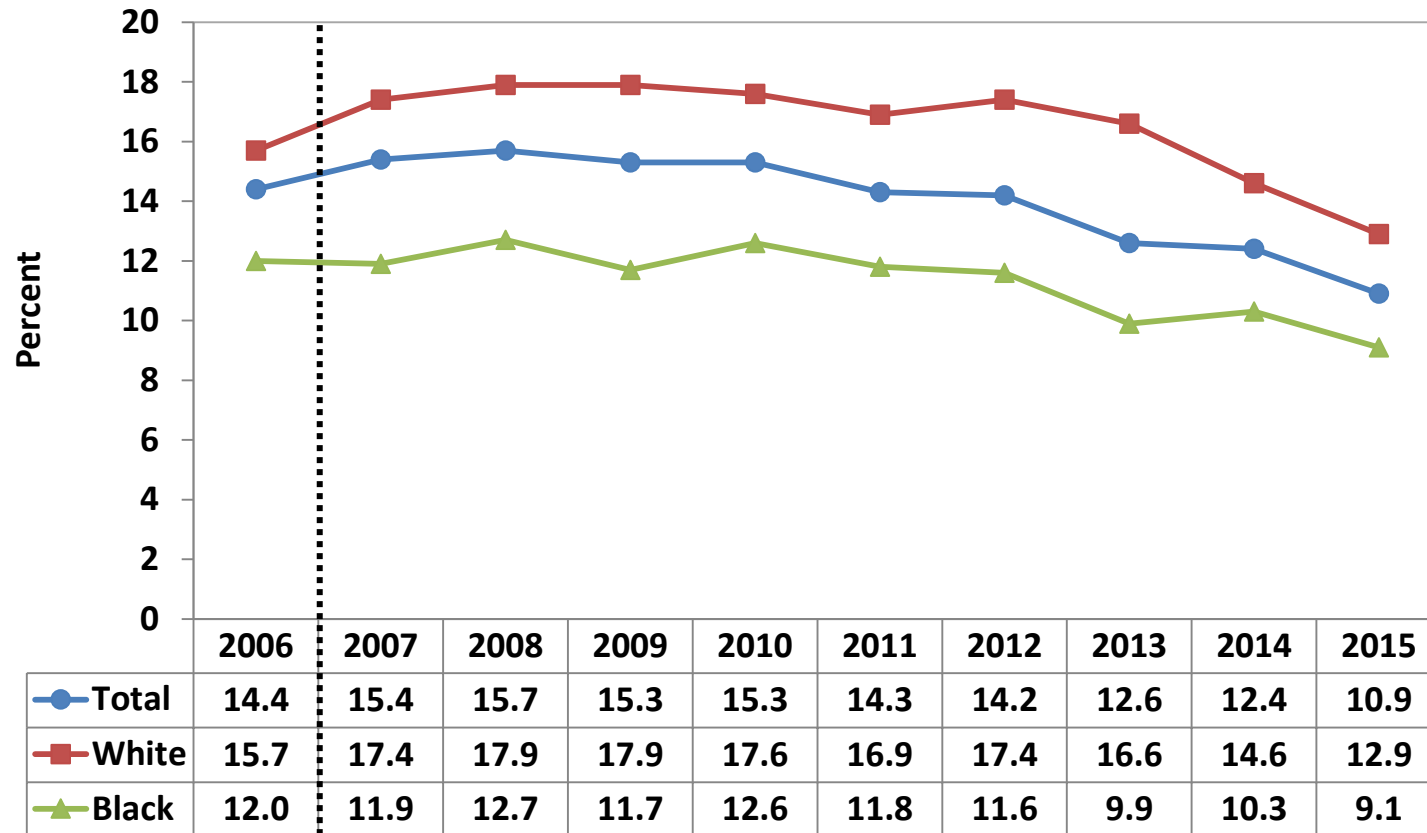


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Marion County Residents, 2006 – 2015

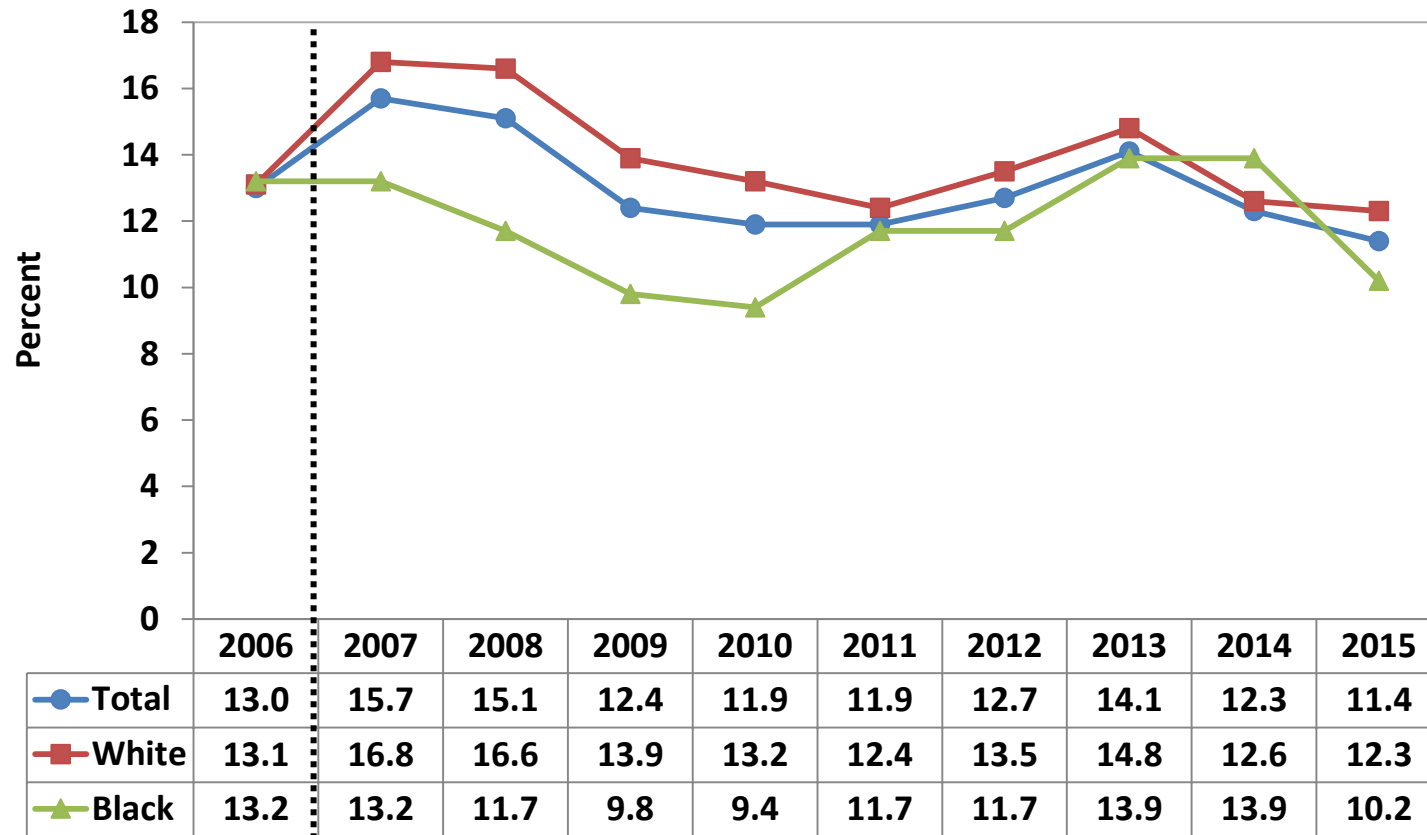


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race St. Joseph County Residents, 2006 – 2015

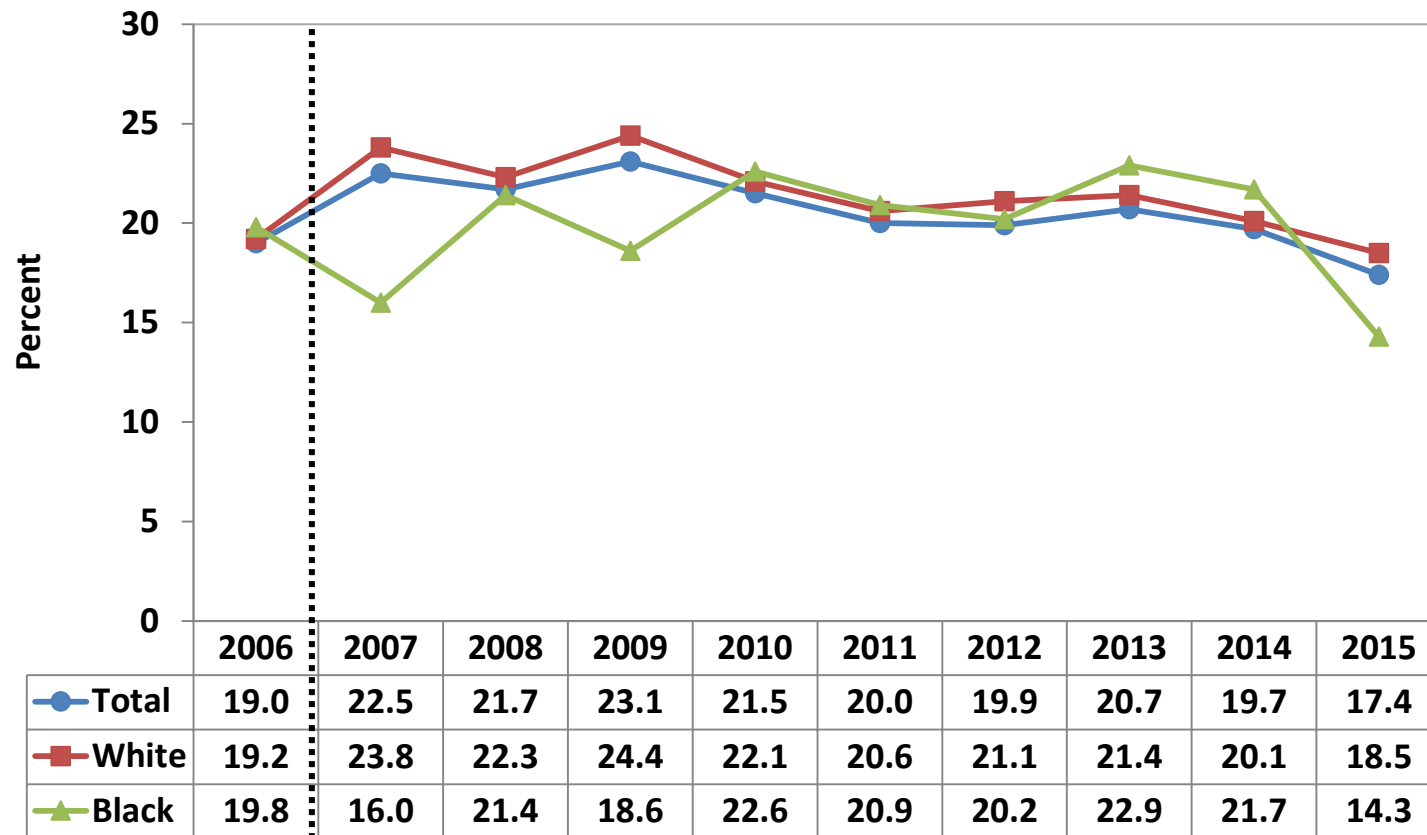


\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

# Percent of Births to Mothers Who Smoked During Pregnancy\* by Race Vanderburgh County Residents, 2006 – 2015



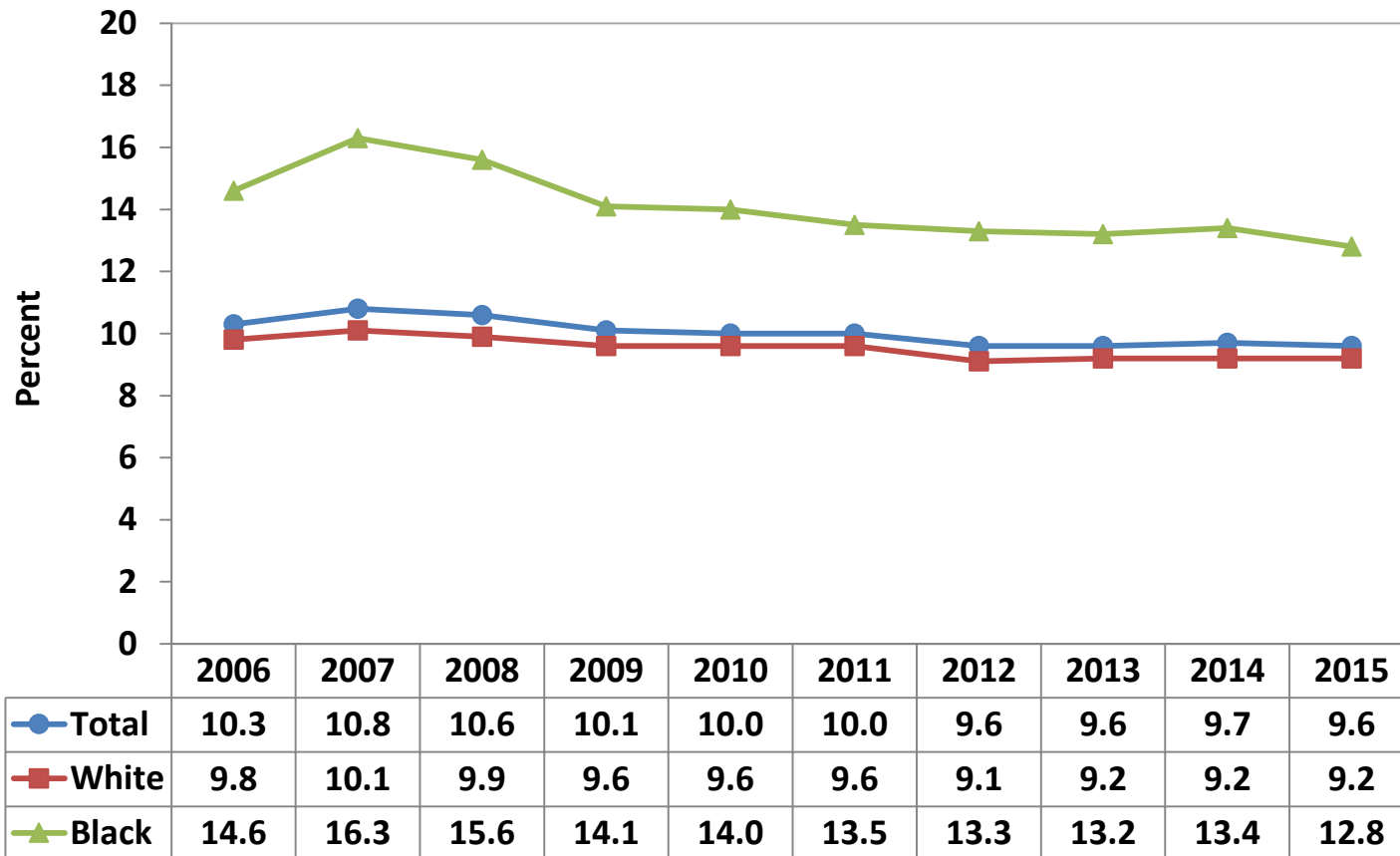
\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Percent of Preterm Births by Race of Mother Indiana Residents, 2006 – 2015



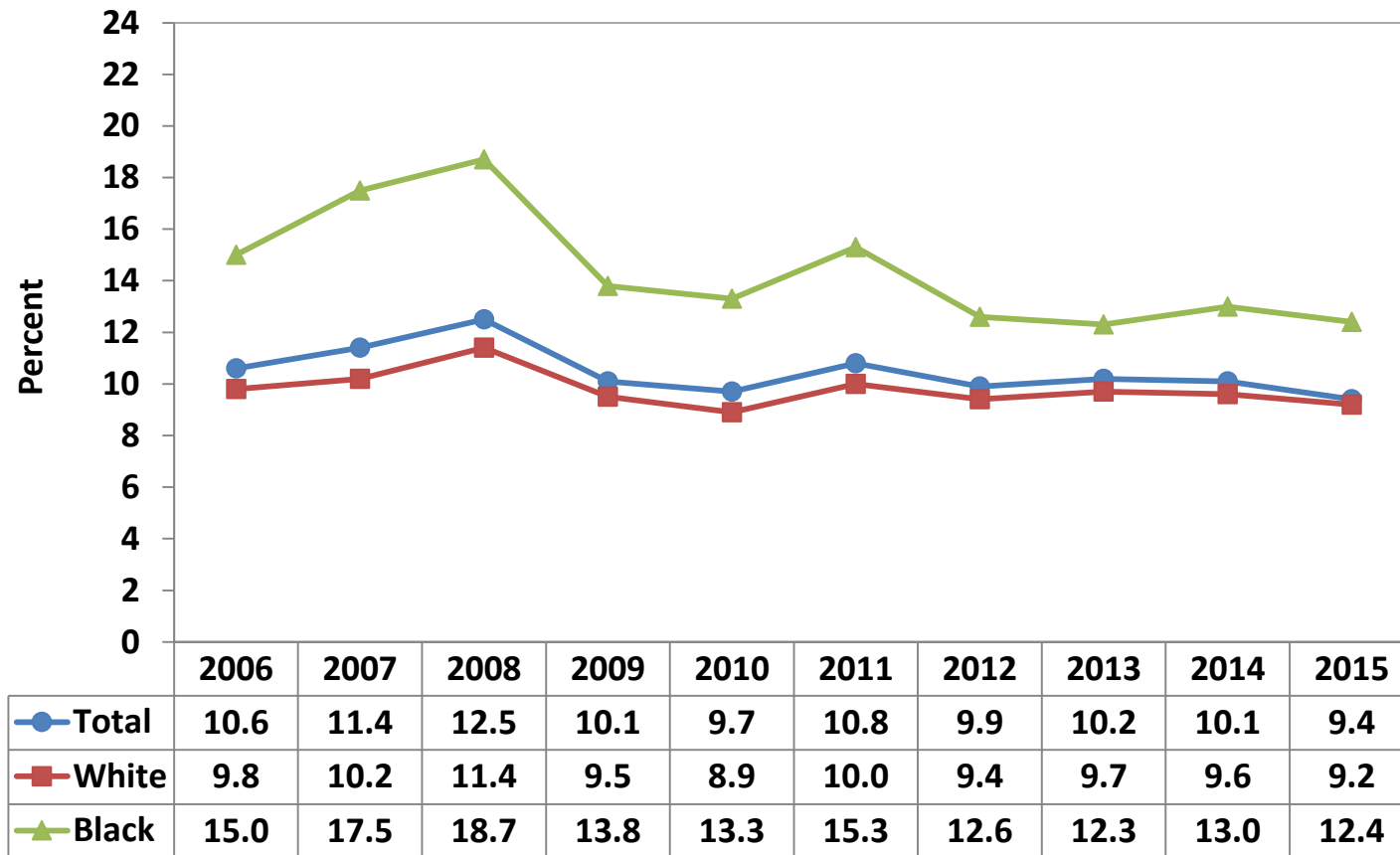
\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.

Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother Allen County Residents, 2006 – 2015



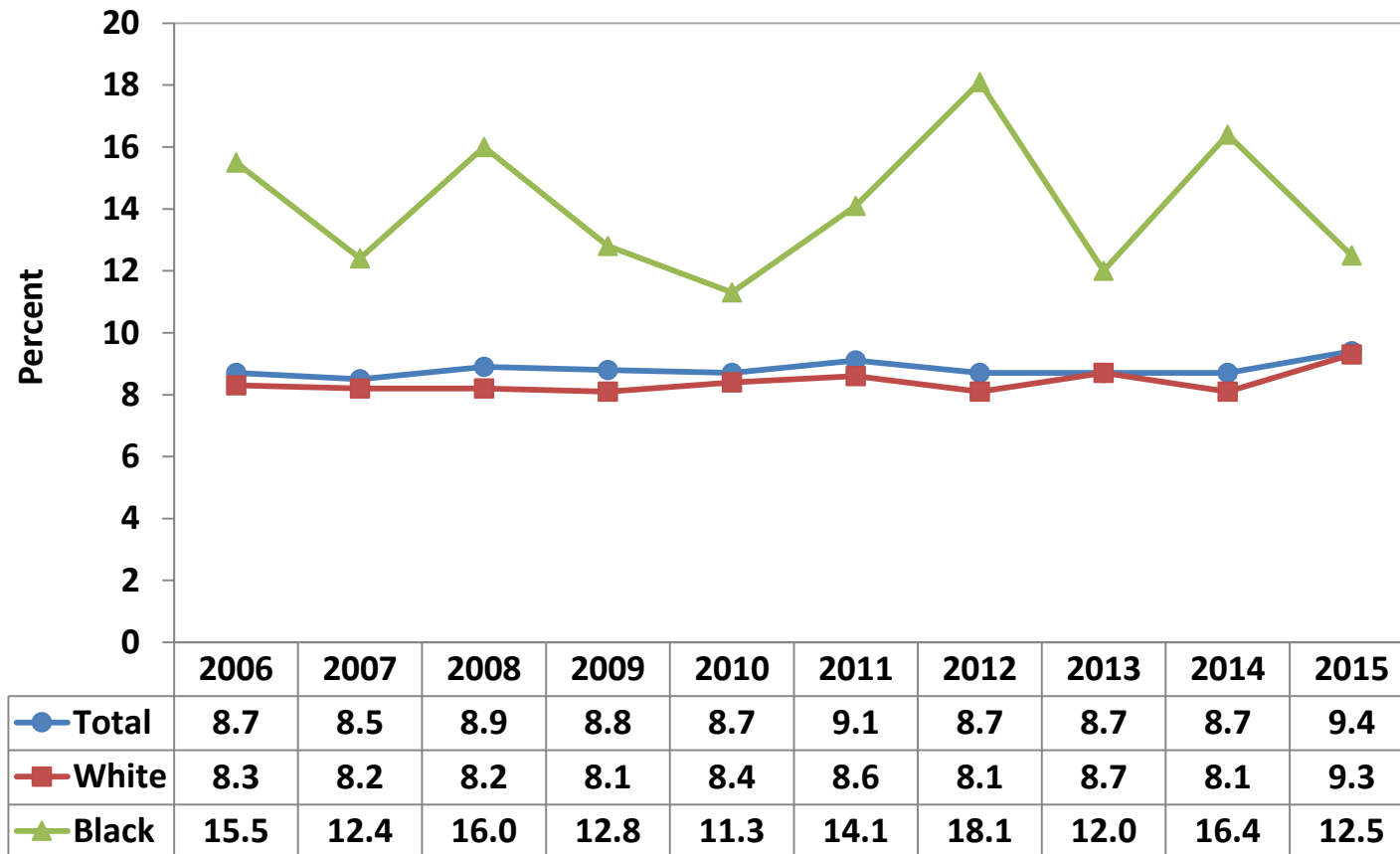
**\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.**

Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother Elkhart County Residents, 2006 – 2015



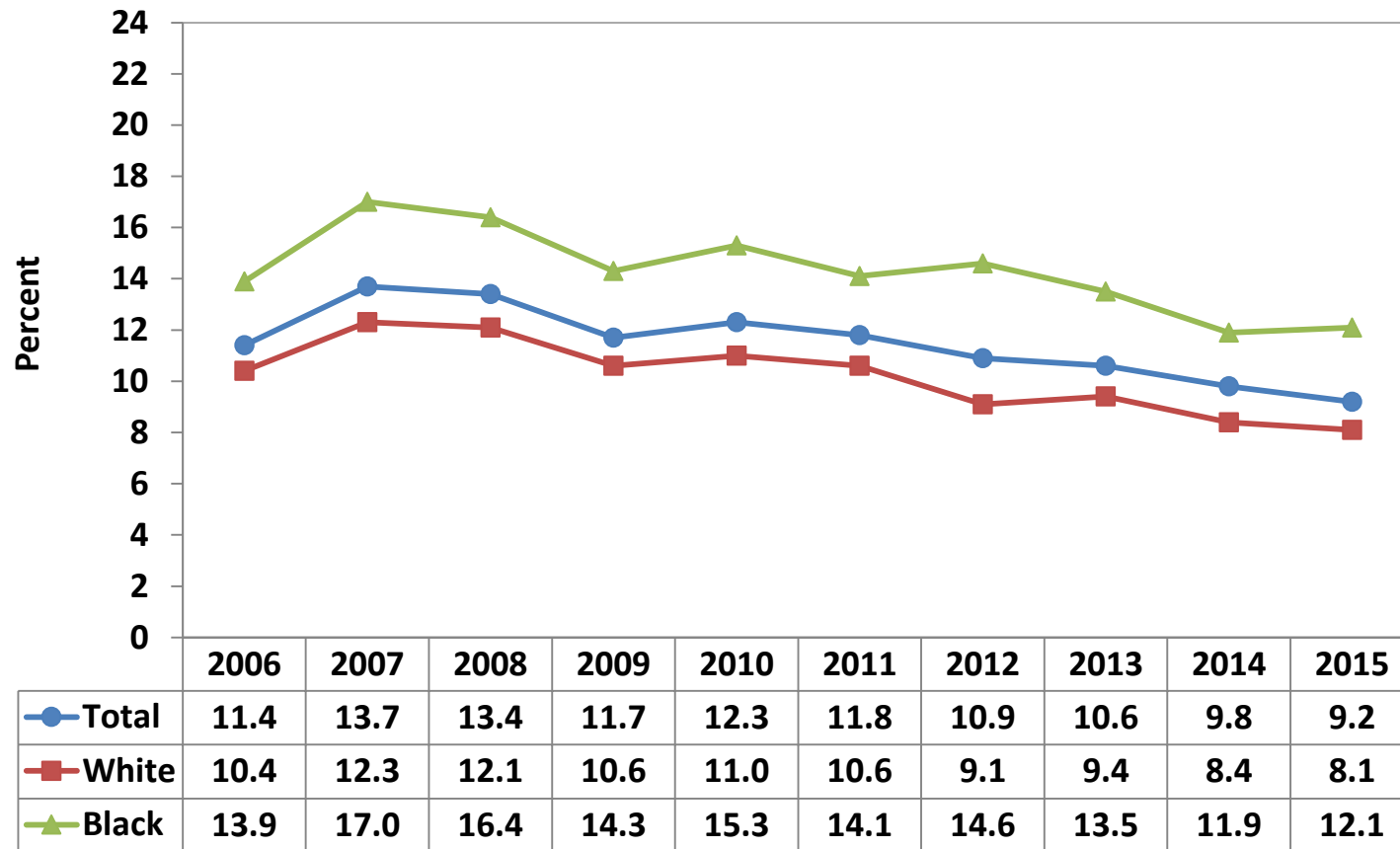
\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.

Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother Lake County Residents, 2006 – 2015



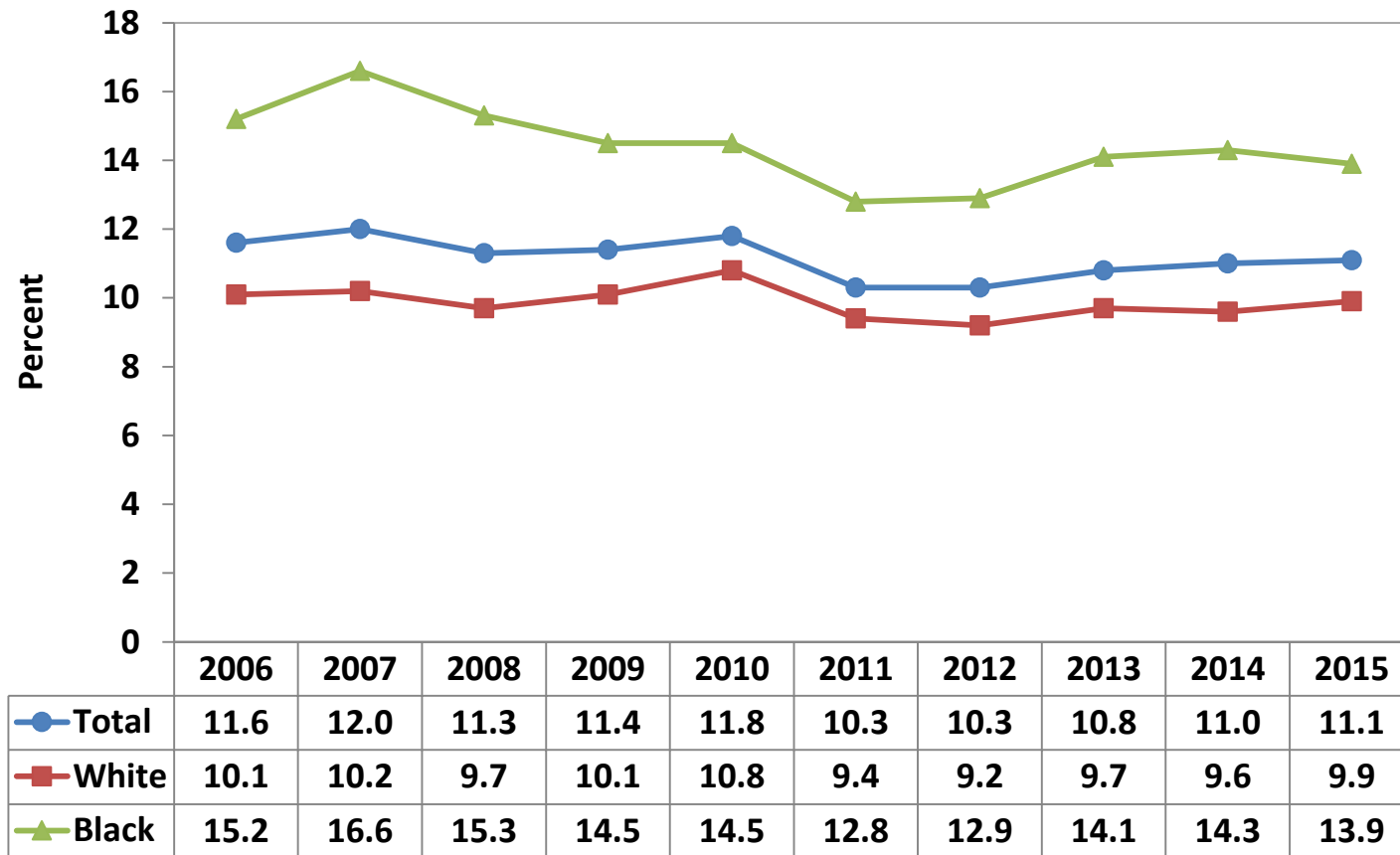
**\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.**

**Note:** Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

**Source:** Indiana State Department of Health, Division of Maternal and Child Health, 2017

**Original Source:** Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother Marion County Residents, 2006 – 2015



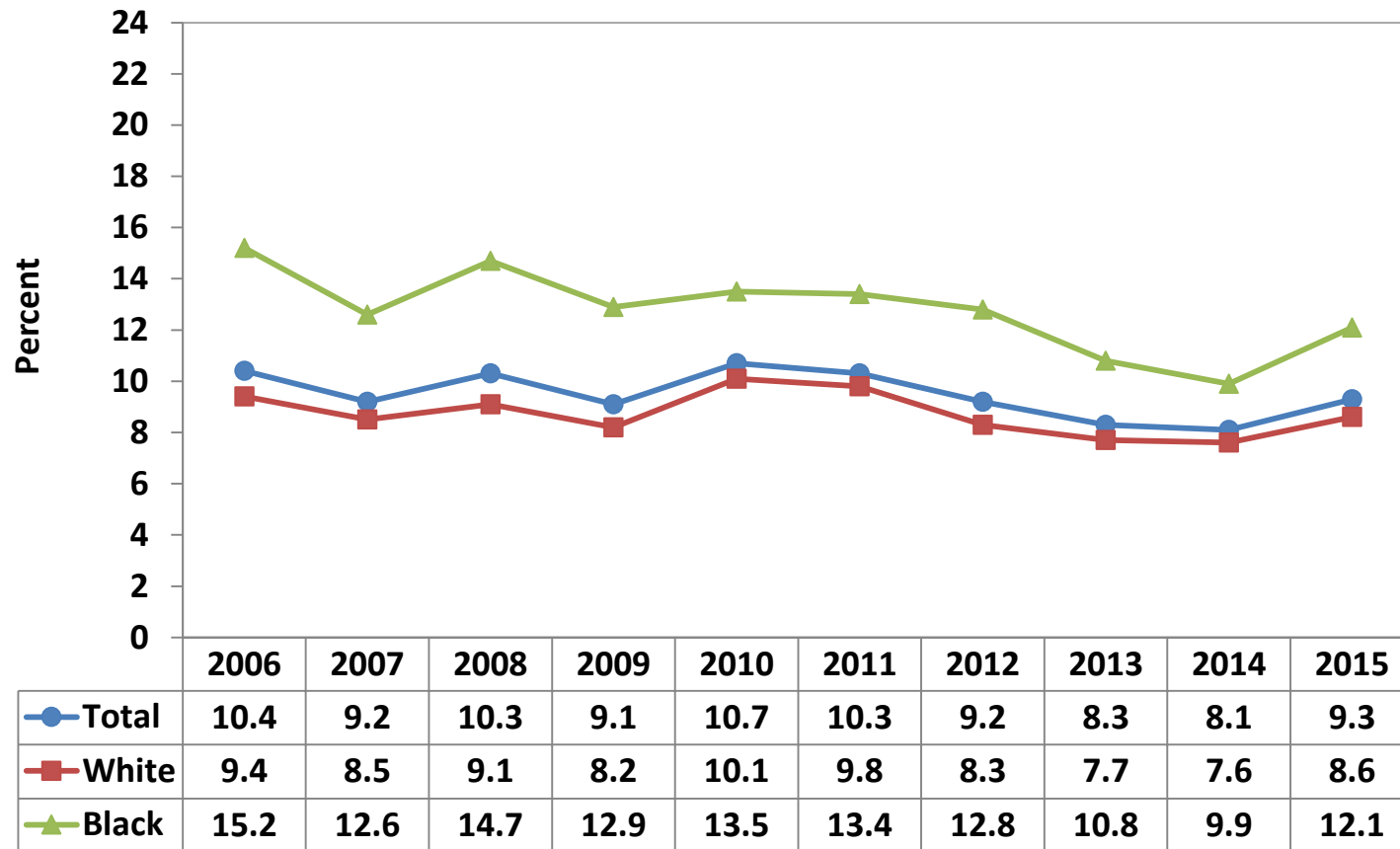
\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.

Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother St. Joseph County Residents, 2006 – 2015



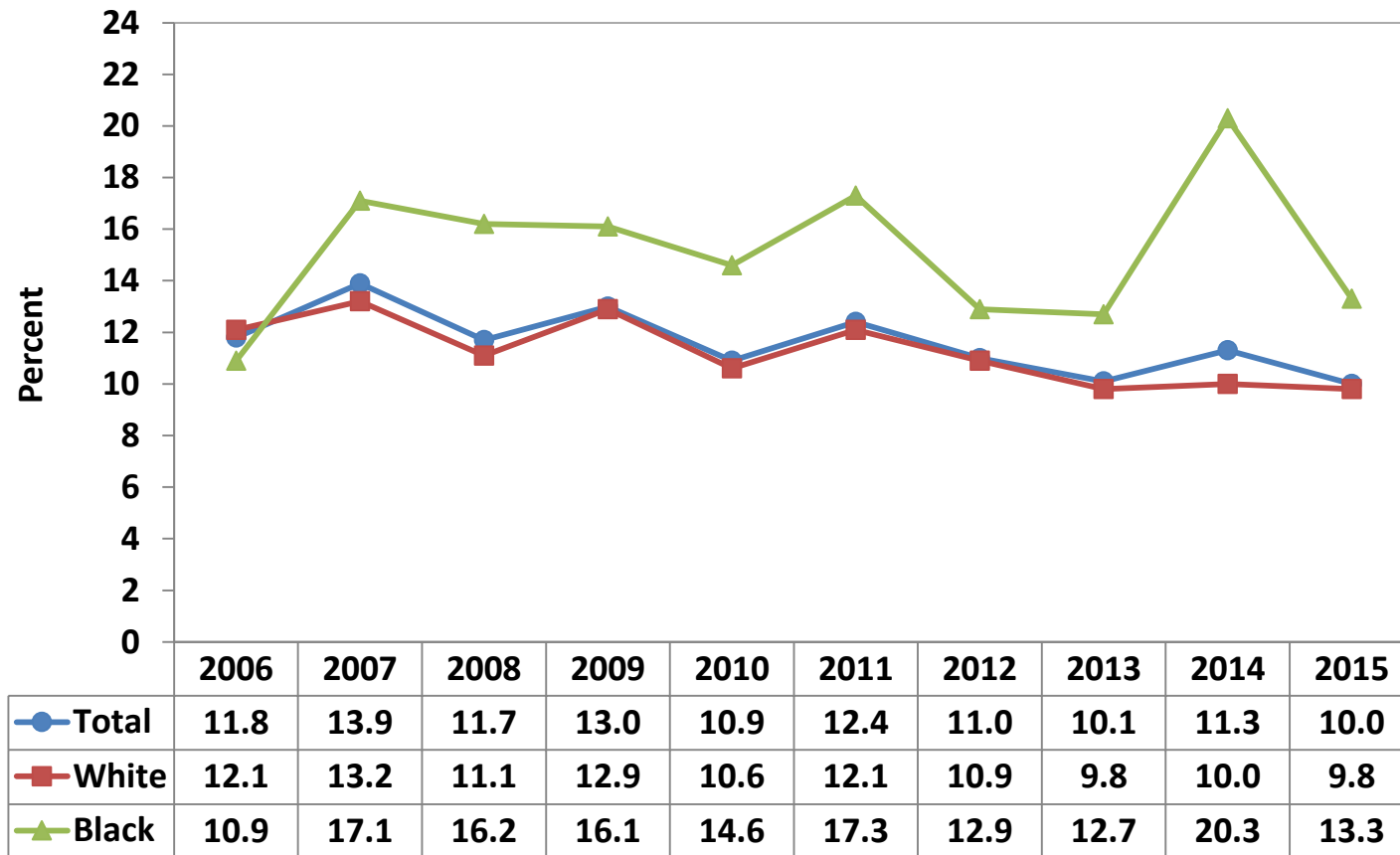
**\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.**

**Note:** Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births by Race of Mother Vanderburgh County Residents, 2006 – 2015



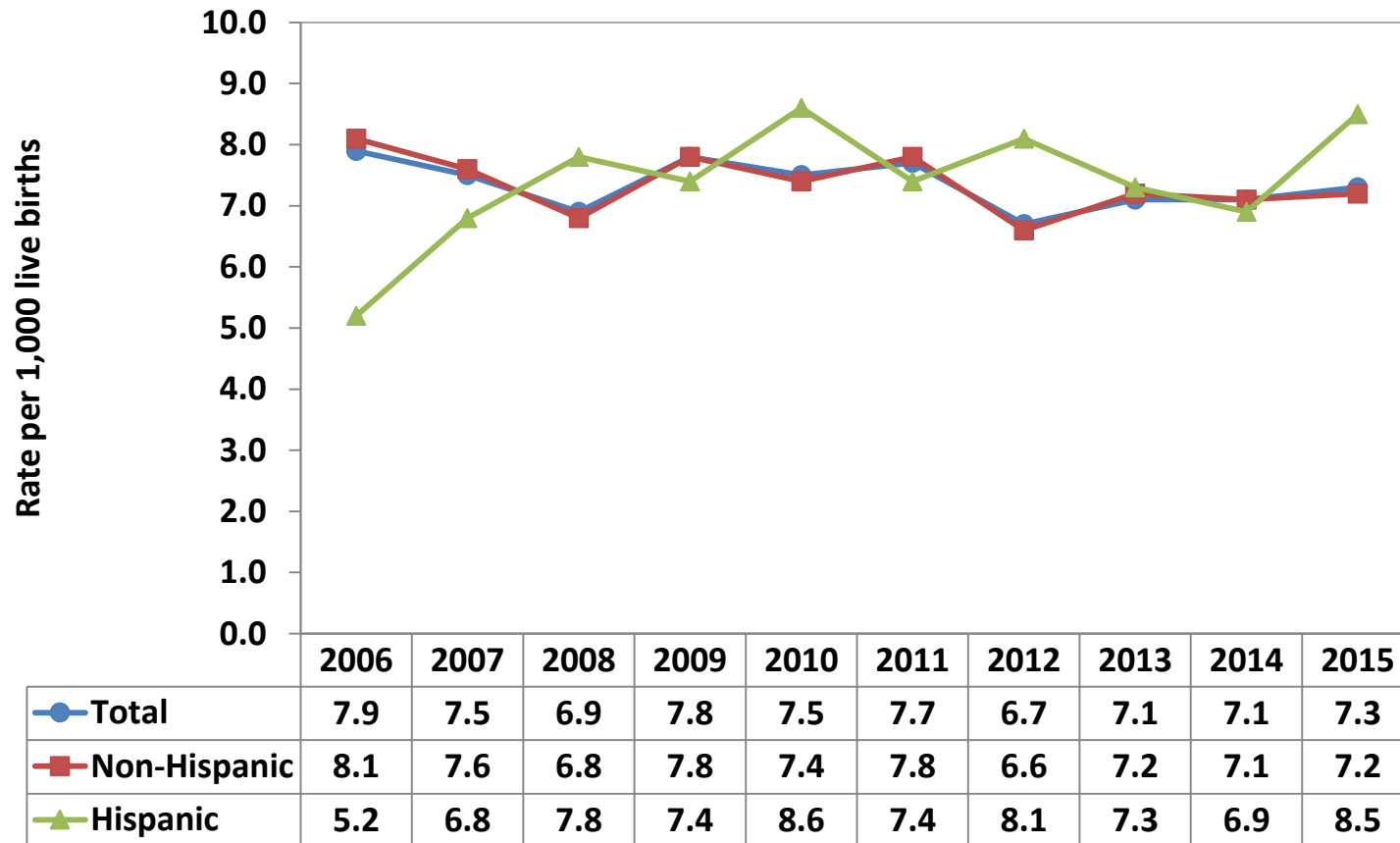
**\*\*Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.**

**Note:** Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.

**Source:** Indiana State Department of Health, Division of Maternal and Child Health, 2017

**Original Source:** Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Infant Mortality Rates by Ethnicity Indiana Residents, 2006 – 2015



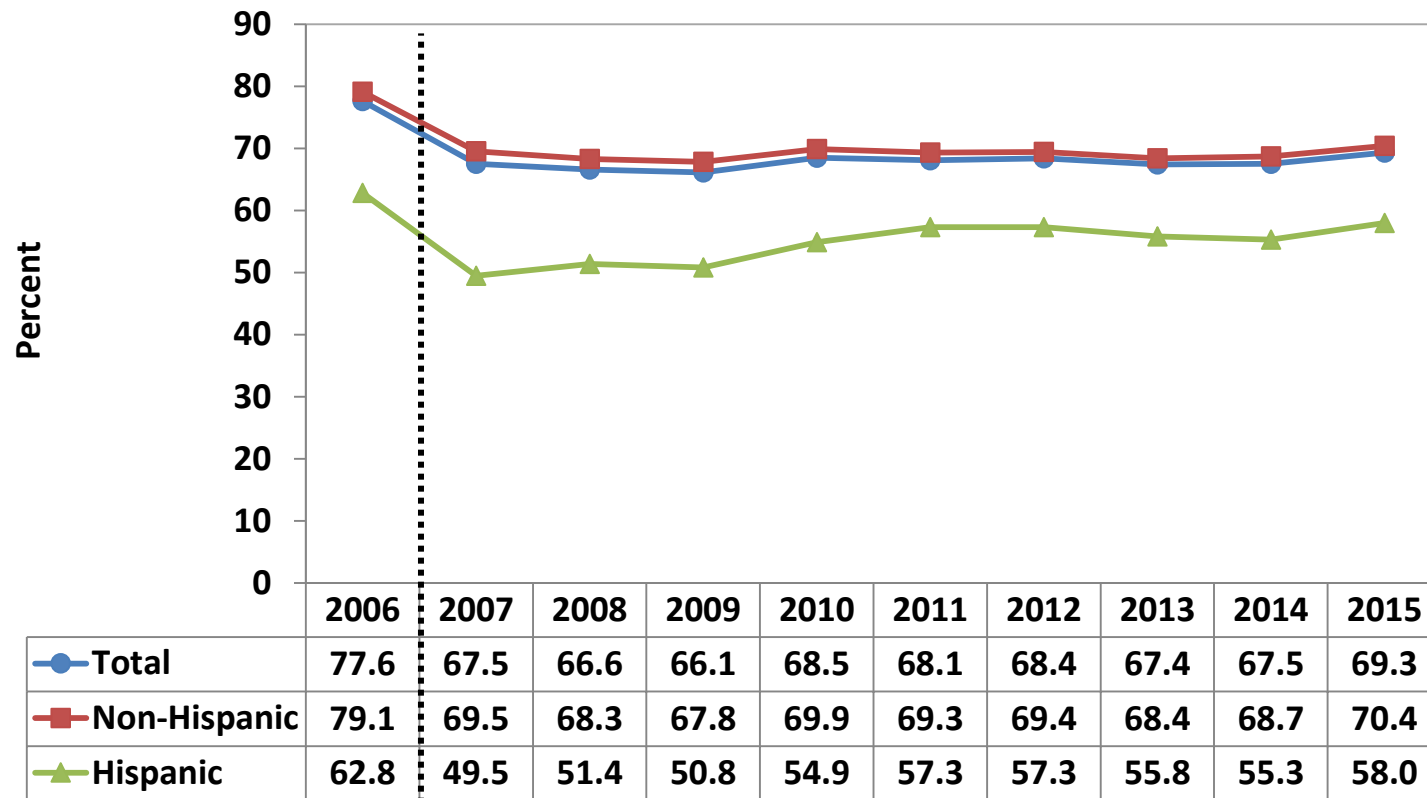
Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



## Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester\* by Ethnicity Indiana Residents, 2006 – 2015



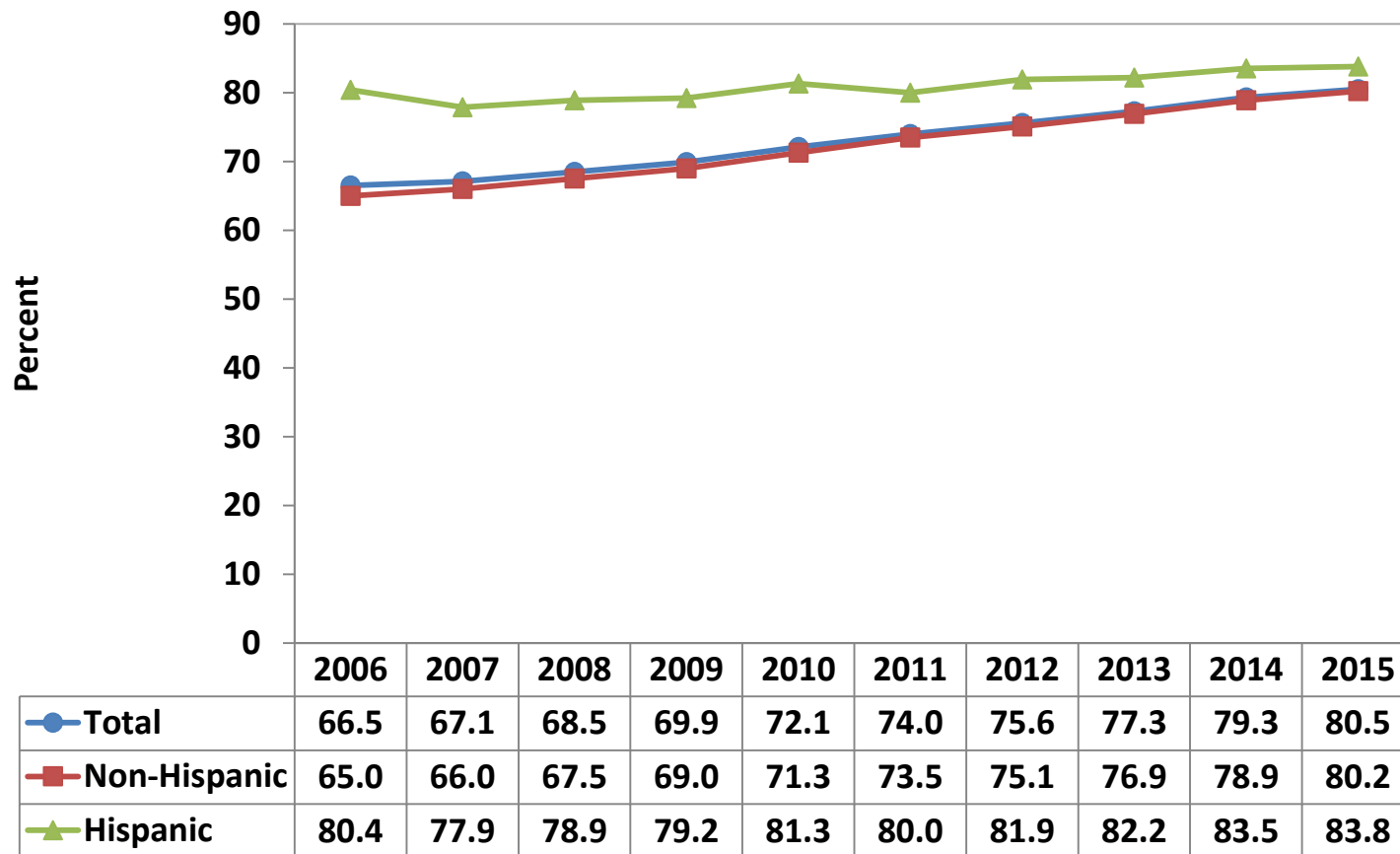
\* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: Hispanic ethnicity can be of any race. The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Ethnicity Indiana Residents, 2006 – 2015

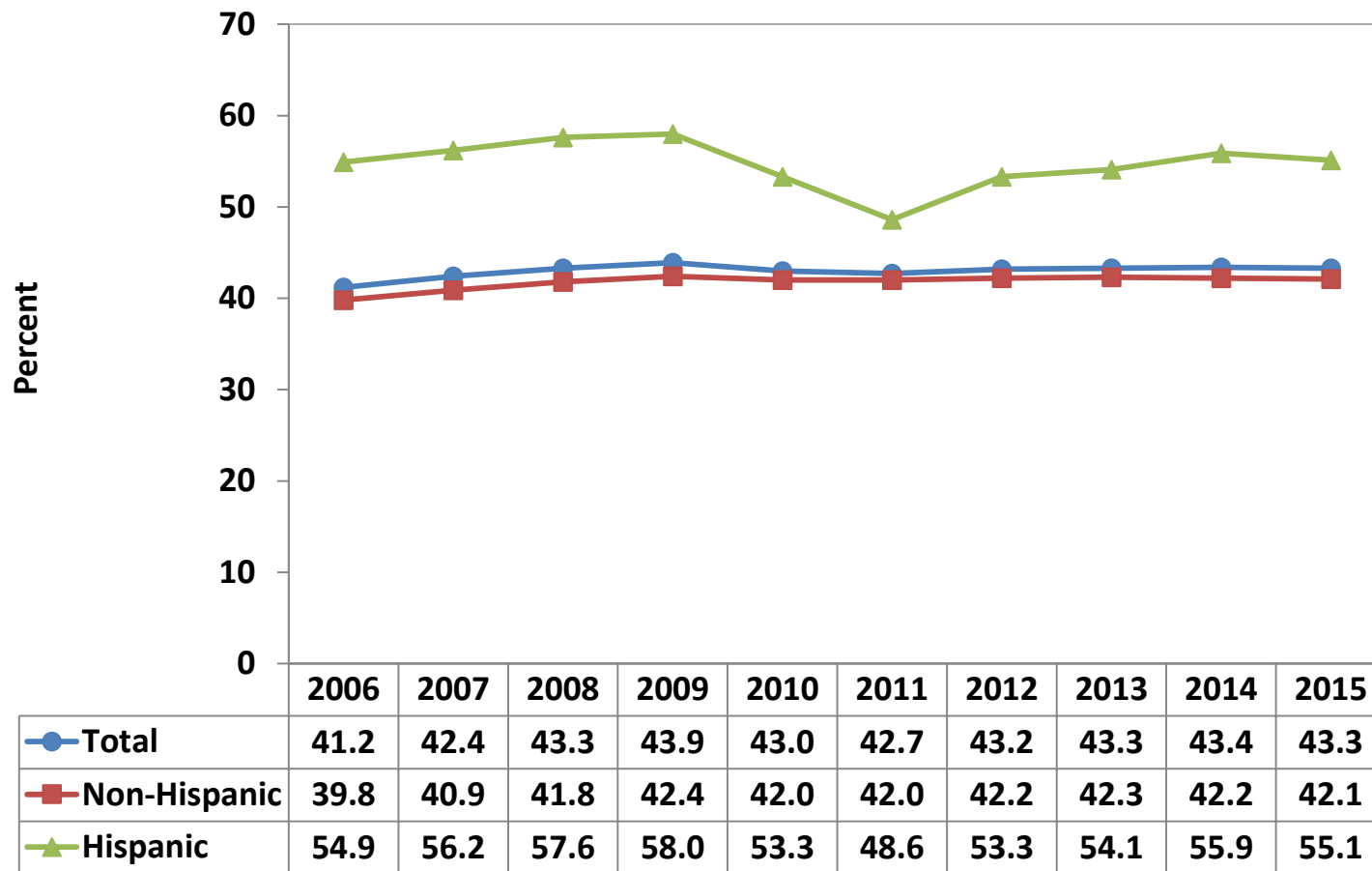


Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Live Births to Unmarried Mothers by Ethnicity of Mother Indiana Residents, 2006 – 2015

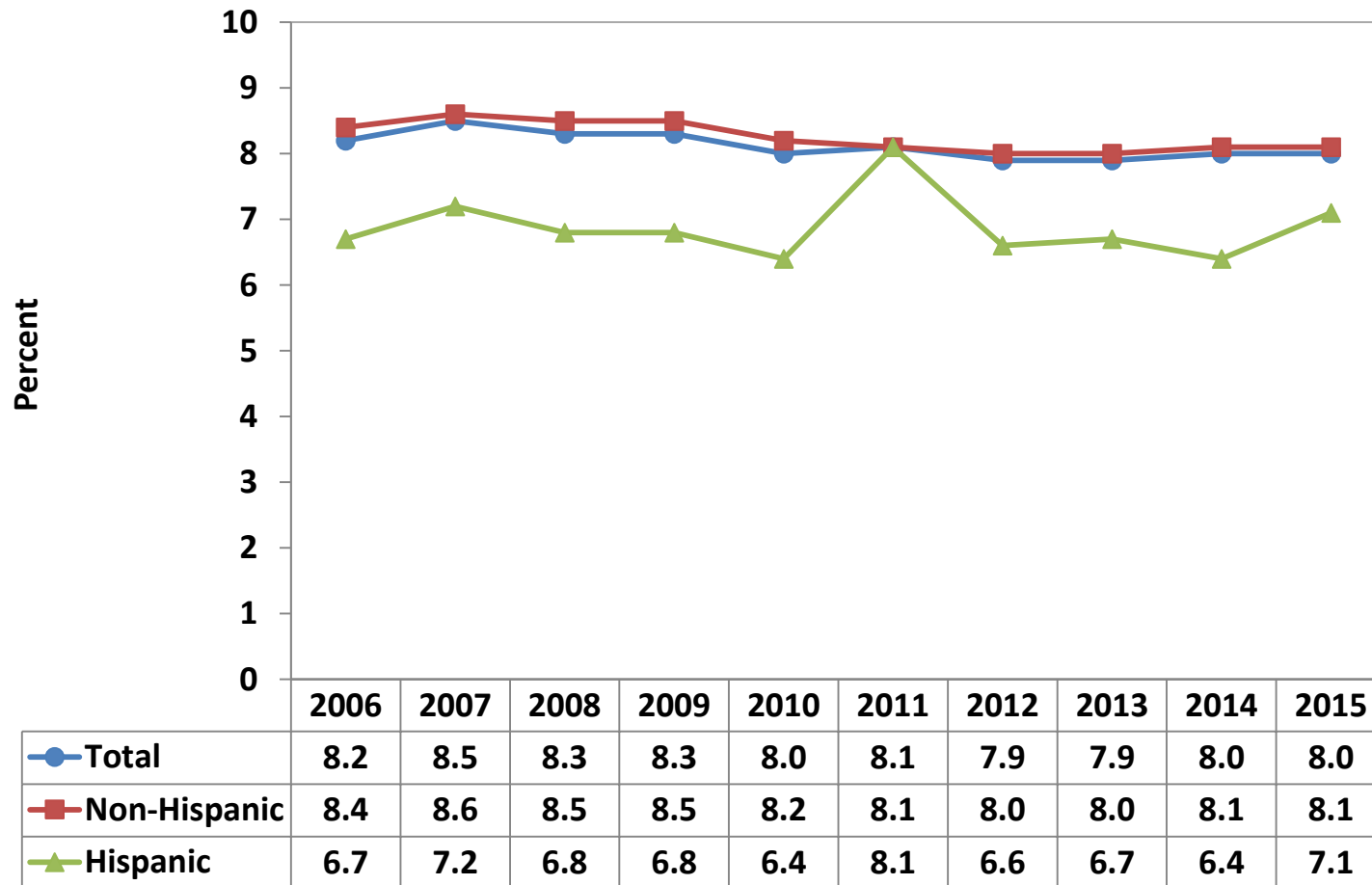


Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Low Birthweight Infants by Ethnicity of Mother Indiana Residents, 2006 – 2015

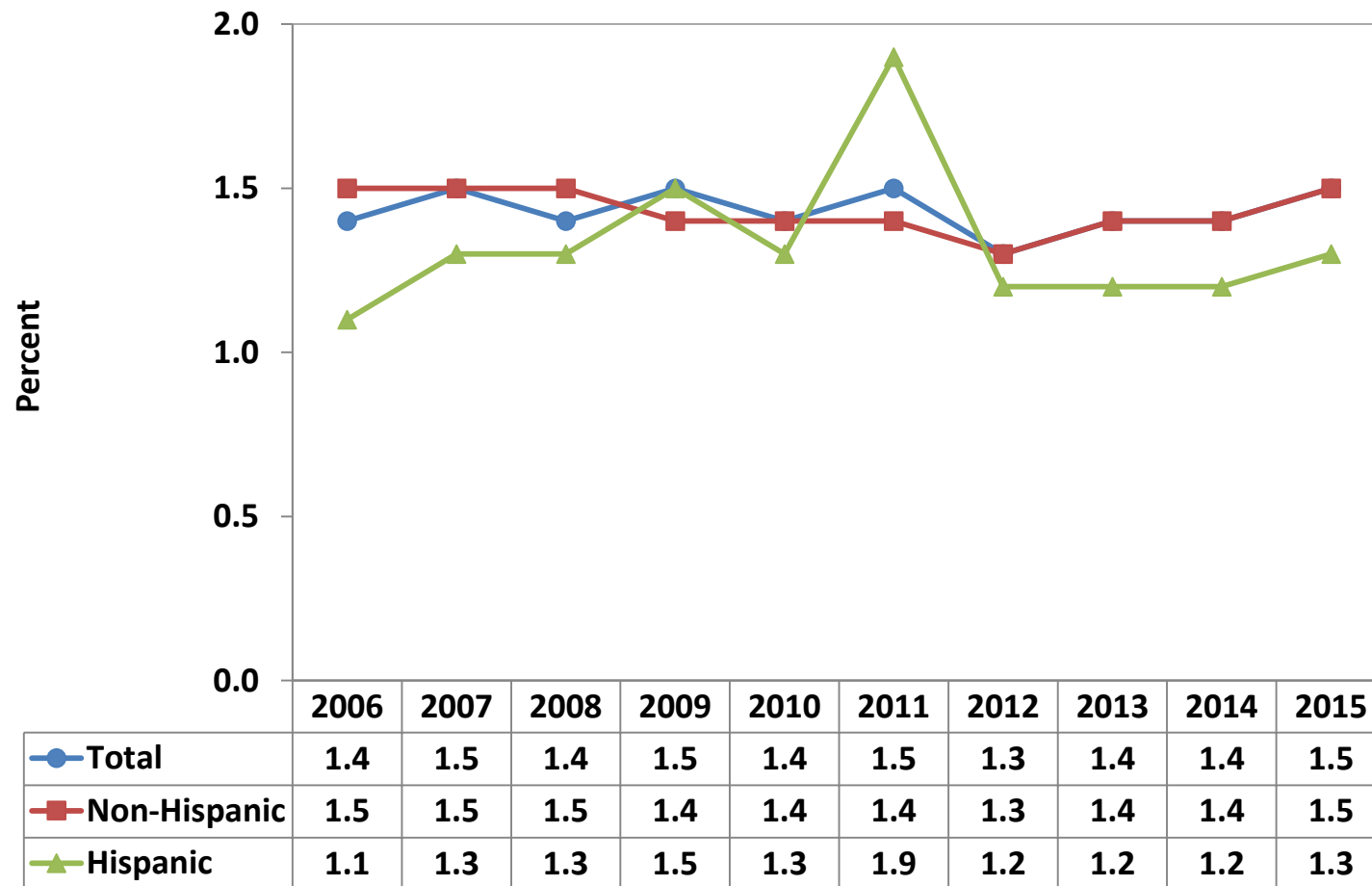


Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.) Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Very Low Birthweight Infants by Ethnicity of Mother Indiana Residents, 2006 – 2015

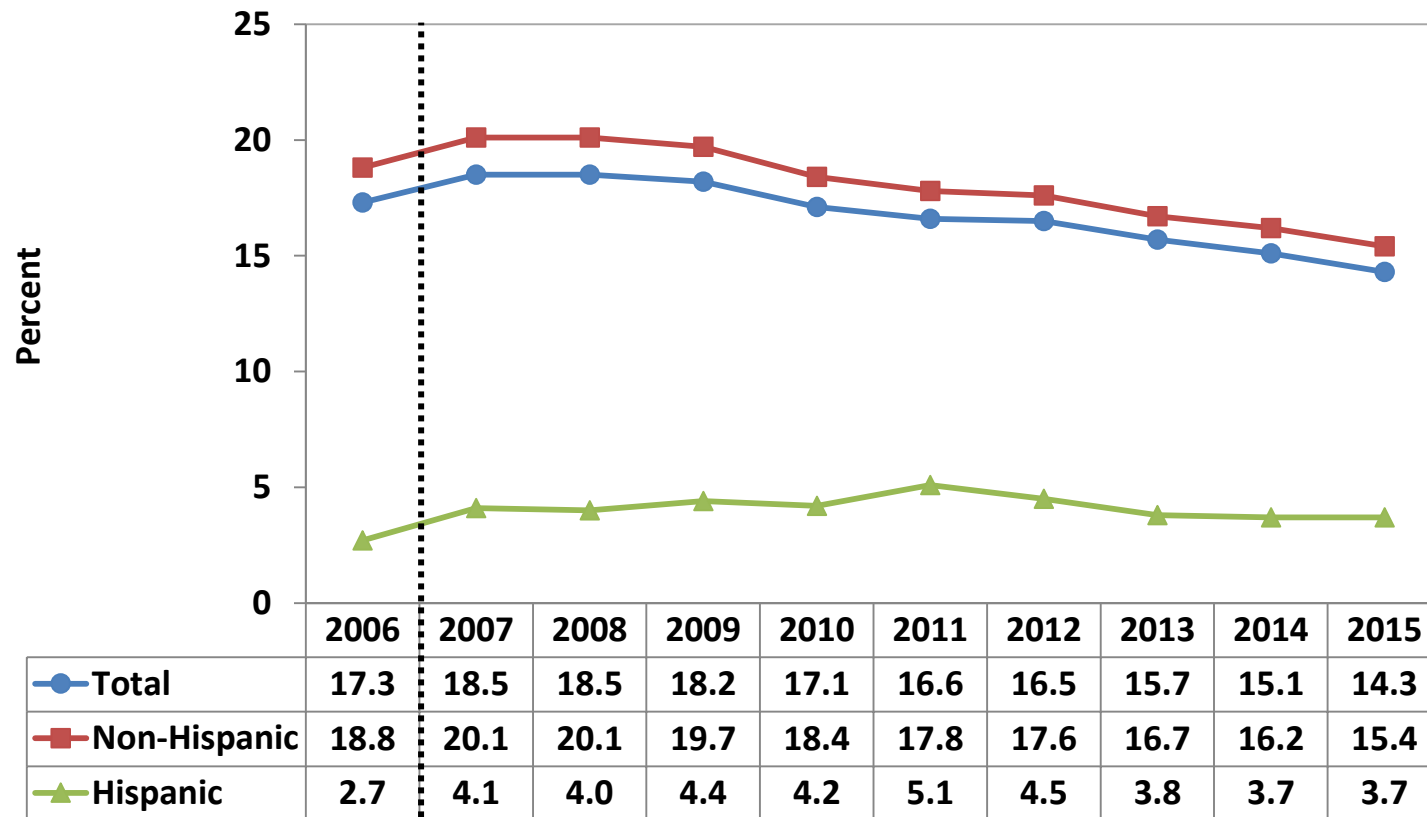


Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.) Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Births to Mothers Who Smoked During Pregnancy\* by Ethnicity Indiana Residents, 2006 – 2015



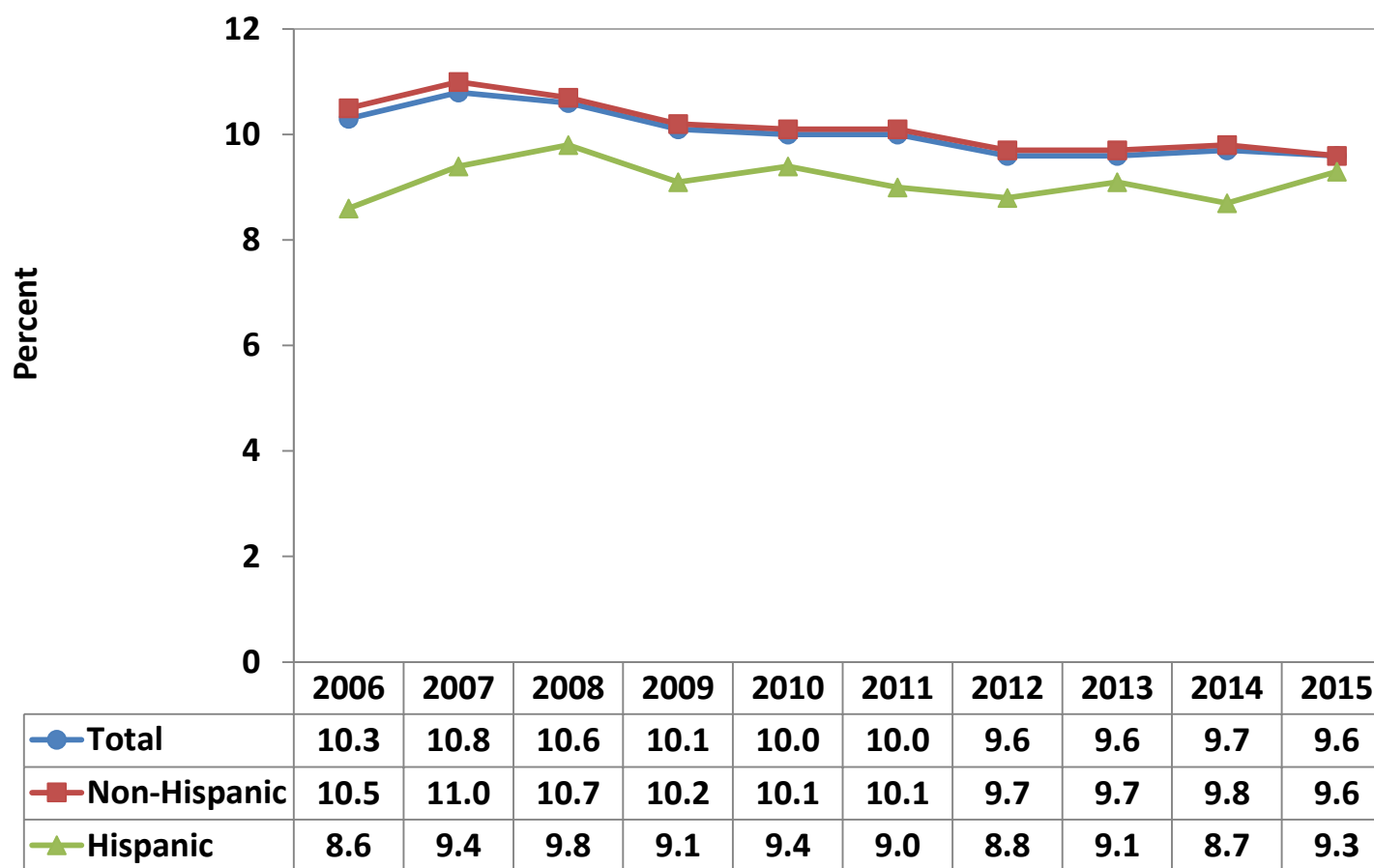
\* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

## Percent of Preterm Births\* by Ethnicity of Mother Indiana Residents, 2006 – 2015



\* Preterm births based on obstetrical estimate and not comparable to data provided by March of Dimes or NCHS.

Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

**Live Births by County of Residence  
Indiana Residents, 2006 – 2015  
Total Population**

County	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2006 - 2015 Average
<b>INDIANA</b>	<b>89,404</b>	<b>89,719</b>	<b>88,679</b>	<b>86,126</b>	<b>83,867</b>	<b>83,750</b>	<b>83,250</b>	<b>83,115</b>	<b>83,927</b>	<b>84,008</b>	<b>85,585</b>
Adams	654	667	673	643	661	658	700	673	675	662	667
Allen	5,492	5,448	5,506	5,463	5,312	5,252	5,251	5,080	5,229	5,270	5,330
Bartholomew	1,096	1,086	1,095	1,023	1,013	1,004	1,084	1,069	1,052	1,096	1,062
Benton	110	104	119	92	96	106	98	119	109	107	106
Blackford	148	156	148	142	151	145	140	146	136	121	143
Boone	676	708	741	706	660	701	728	726	786	773	721
Brown	97	137	137	139	100	121	126	126	97	120	120
Carroll	214	230	227	219	214	212	236	200	220	195	217
Cass	567	545	539	517	494	510	514	471	515	495	517
Clark	1,513	1,450	1,479	1,525	1,407	1,448	1,436	1,538	1,433	1,487	1,472
Clay	368	291	330	294	328	307	320	310	306	346	320
Clinton	524	534	518	487	444	396	483	432	461	465	474
Crawford	135	124	122	121	106	110	120	108	135	118	120
Daviess	536	547	536	512	501	559	534	527	531	519	530
Dearborn	587	602	641	372	521	558	530	483	510	536	534
Decatur	365	318	361	315	305	319	317	366	333	352	335
DeKalb	545	571	522	565	534	510	485	535	562	530	536
Delaware	1,229	1,340	1,268	1,307	1,245	1,294	1,225	1,277	1,231	1,188	1,260
Dubois	575	539	543	533	515	508	508	540	573	572	541
Elkhart	3,562	3,557	3,430	3,163	3,006	2,976	3,048	2,961	3,109	3,188	3,200
Fayette	300	304	281	278	262	241	229	254	249	248	265
Floyd	840	878	918	853	912	893	875	873	873	909	882
Fountain	200	209	223	217	190	181	180	219	180	200	200
Franklin	293	310	254	137	245	250	253	243	250	226	246
Fulton	249	267	285	279	261	220	253	257	279	260	261
Gibson	431	452	377	404	396	437	402	424	433	388	414
Grant	877	866	816	840	778	805	734	832	747	757	805
Greene	392	401	369	376	353	364	353	329	346	337	362
Hamilton	3,713	3,926	3,910	3,861	3,787	3,887	3,689	3,917	3,888	3,902	3,848
Hancock	901	897	848	810	757	781	759	759	732	824	807

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team



**Live Births by County of Residence  
Indiana Residents, 2006 – 2015  
Total Population**

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Harrison	447	473	481	436	400	429	390	414	452	452	437
Hendricks	1,686	1,859	1,844	1,787	1,728	1,808	1,653	1,723	1,797	1,761	1,765
Henry	486	506	541	544	463	456	476	502	483	476	493
Howard	1,115	1,131	1,122	994	1,000	971	1,033	980	1,003	978	1,033
Huntington	481	488	453	423	417	409	435	424	428	434	439
Jackson	572	584	583	551	564	532	583	591	620	576	576
Jasper	470	430	387	397	405	394	399	358	385	382	401
Jay	306	320	285	307	296	311	296	296	339	306	306
Jefferson	369	383	381	391	353	344	377	335	388	371	369
Jennings	391	371	374	370	337	349	341	347	363	314	356
Johnson	1,838	1,913	1,913	1,861	1,776	1,861	1,858	1,831	1,814	1,883	1,855
Knox	514	497	481	424	459	454	505	461	484	431	471
Kosciusko	1,167	1,099	1,154	1,000	977	1,012	1,029	1,038	1,080	1,027	1,058
LaGrange	714	783	787	714	791	724	744	788	699	753	750
Lake	6,937	6,759	6,663	6,724	6,488	6,183	5,991	6,023	6,080	5,910	6,376
LaPorte	1,371	1,438	1,411	1,380	1,309	1,338	1,286	1,319	1,331	1,340	1,352
Lawrence	534	507	522	513	485	470	503	461	486	497	498
Madison	1,594	1,674	1,598	1,631	1,612	1,550	1,461	1,545	1,432	1,510	1,561
Marion	15,545	15,401	15,333	15,346	14,583	14,581	14,585	14,287	14,573	14,432	14,867
Marshall	662	667	621	619	575	614	584	559	570	608	608
Martin	126	140	146	123	116	119	141	148	133	130	132
Miami	449	433	416	406	390	366	364	367	378	374	394
Monroe	1,298	1,388	1,298	1,281	1,318	1,286	1,301	1,265	1,309	1,353	1,310
Montgomery	448	493	453	508	445	463	485	463	430	473	466
Morgan	871	877	863	807	772	834	729	722	743	776	799
Newton	138	138	162	137	140	148	155	125	132	171	145
Noble	766	703	703	642	595	578	586	578	630	654	644
Ohio	71	60	57	53	56	44	68	51	52	54	57
Orange	246	264	224	237	216	227	211	268	214	240	235
Owen	237	249	259	236	249	226	210	243	216	228	235
Parke	194	204	187	188	192	187	204	196	195	228	198

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

**Live Births by County of Residence  
Indiana Residents, 2006 – 2015  
Total Population**

County	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2006 - 2015 Average
<b>INDIANA</b>	<b>89,404</b>	<b>89,719</b>	<b>88,679</b>	<b>86,126</b>	<b>83,867</b>	<b>83,750</b>	<b>83,250</b>	<b>83,115</b>	<b>83,927</b>	<b>84008</b>	<b>85,585</b>
Perry	236	223	209	221	214	218	206	182	177	235	212
Pike	158	152	138	145	149	149	133	154	126	137	144
Porter	1,836	1,886	1,868	1,772	1,728	1,756	1,779	1,770	1,824	1714	1,793
Posey	252	250	284	283	272	279	290	275	265	285	274
Pulaski	177	160	161	166	149	123	133	143	146	135	149
Putnam	368	418	405	383	353	361	328	375	353	362	371
Randolph	295	338	324	291	312	298	318	298	297	301	307
Ripley	389	369	384	352	374	319	325	328	331	324	350
Rush	226	223	197	164	176	170	198	160	200	188	190
St. Joseph	4,013	3,762	3,832	3,565	3,500	3,539	3,497	3,557	3,480	3480	3,623
Scott	352	346	327	283	278	304	280	286	266	300	302
Shelby	539	572	538	503	532	555	474	495	522	495	523
Spencer	237	247	245	214	218	256	194	236	249	191	229
Starke	298	317	307	280	277	260	280	252	257	263	279
Steuben	396	411	387	359	354	373	347	410	366	416	382
Sullivan	235	216	235	214	239	232	232	245	247	206	230
Switzerland	128	135	133	136	132	120	115	142	128	126	130
Tippecanoe	2,205	2,324	2,320	2,230	2,149	2,211	2,316	2,221	2,340	2388	2,270
Tipton	175	173	160	126	158	159	131	137	164	144	153
Union	92	82	87	35	84	82	68	67	82	69	75
Vanderburgh	2,520	2,468	2,326	2,349	2,346	2,259	2,365	2,263	2,236	2222	2,335
Vermillion	171	175	154	194	172	156	158	175	150	169	167
Vigo	1,375	1,338	1,321	1,255	1,308	1,309	1,281	1,280	1,315	1285	1,307
Wabash	393	377	390	354	354	358	336	360	330	338	359
Warren	94	78	99	88	91	110	94	80	93	79	91
Warrick	677	685	701	676	715	625	625	633	664	683	668
Washington	345	328	318	319	305	291	316	331	311	332	320
Wayne	920	886	882	875	823	829	832	767	765	788	837
Wells	387	305	359	331	338	365	355	322	336	339	344
White	322	330	280	328	297	298	280	297	276	303	301
Whitely	361	449	390	412	409	365	371	372	412	398	394

Source: Indiana State Department of Health, Division of Maternal and Child Health, 2017

Original Source: Indiana State Department of Health, Epidemiology Resource Center, Data Analysis Team

**Infant Mortality Rate, Total Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Floyd	4.3	39	Daviess	7.5
2	Hamilton	4.5	41	Clinton	7.8
3	Porter	4.7	42	Vanderburgh	8.0
4	Harrison	4.8	42	Wayne	8.0
5	Boone	5.1	42	Allen	8.0
6	Whitley	5.3	45	Montgomery	8.2
7	Hendricks	5.7	46	Delaware	8.3
7	Howard	5.7	46	Jackson	8.3
7	Monroe	5.7	48	Lake	8.5
10	Warrick	5.8	49	St. Joseph	8.6
10	Clark	5.8	49	Starke	8.6
10	Wabash	5.8	51	Fayette	8.7
13	Putnam	5.9	52	Miami	8.9
14	DeKalb	6.0	53	Adams	9.0
14	Dearborn	6.0	53	Bartholomew	9.0
14	LaGrange	6.0	55	Marion	9.1
14	Steuben	6.0	55	Greene	9.1
18	Marshall	6.1	57	Cass	9.3
19	Johnson	6.2	57	LaPorte	9.3
20	Gibson	6.3	59	Henry	9.5
21	Knox	6.4	60	Grant	9.6
21	Lawrence	6.4	61	Fulton	10.3
21	Vigo	6.4	62	Jay	10.5
24	Jennings	6.5			
24	Jefferson	6.5		INDIANA	7.4
24	Morgan	6.5			
27	Noble	6.7			
27	Hancock	6.7			
29	Tippecanoe	6.9			
29	Scott	6.9			
31	Madison	7.0			
31	Kosciusko	7.0			
33	Ripley	7.2			
33	Clay	7.2			
33	Dubois	7.2			
36	Elkhart	7.3			
36	Shelby	7.3			
36	White	7.3			
39	Jasper	7.5			

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Infant Mortality Rate, White Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Floyd	3.6	46	Jasper	7.4
2	Hamilton	4.2	47	Jackson	7.7
3	Porter	4.5	48	Daviess	7.8
4	Howard	4.6	49	Fayette	8.1
5	Harrison	4.9	49	Cass	8.1
6	Knox	5.2	51	Bartholomew	8.3
7	Boone	5.3	51	Montgomery	8.3
7	Warrick	5.3	53	Starke	8.7
7	Hendricks	5.3	54	Adams	8.8
10	Whitley	5.4	55	Miami	8.9
11	DeKalb	5.5	56	Greene	9.2
12	Marshall	5.6	57	Grant	9.3
12	St. Joseph	5.6	58	Henry	9.3
14	Elkhart	5.7	59	Jay	10.3
15	Clark	5.8	60	Fulton	10.8
15	Dearborn	5.8			
15	Allen	5.8		INDIANA	6.1
15	Johnson	5.8			
19	Monroe	5.9			
19	LaGrange	5.9			
21	Marion	6.0			
22	Putnam	6.1			
22	Vigo	6.1			
24	Steuben	6.2			
24	Hancock	6.2			
26	Gibson	6.3			
26	Lake	6.3			
26	Noble	6.3			
26	Jennings	6.3			
30	Madison	6.4			
31	Jefferson	6.5			
31	Tippecanoe	6.5			
33	Lawrence	6.6			
33	Morgan	6.6			
35	Clinton	6.7			
36	Scott	6.8			
37	Delaware	6.9			
37	Shelby	6.9			
37	Wayne	6.9			
40	Clay	7.0			
40	Ripley	7.0			
42	Kosciusko	7.1			
43	Vanderburgh	7.2			
44	Dubois	7.3			
44	LaPorte	7.3			

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Infant Mortality Rate, Black Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infant deaths for the 10 combined years)

<u><b>RANK</b></u>	<u><b>COUNTY</b></u>	<u><b>RATE*</b></u>
1	Vanderburgh	12.9
2	Lake	13.7
3	Marion	14.1
4	LaPorte	16.4
5	Tippecanoe	16.5
6	Elkhart	17.6
7	St. Joseph	19.0
8	Delaware	19.9
9	Allen	20.7
	INDIANA	15.0

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Infant Mortality Rate, Non-Hispanic Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Floyd	4.2	46	Adams	8.8
2	Hamilton	4.5	46	St. Joseph	8.8
3	Harrison	4.8	46	Miami	8.8
3	Porter	4.8	51	Starke	8.9
5	Boone	5.0	52	Bartholomew	9.1
6	Marshall	5.1	53	Henry	9.3
6	Whitley	5.1	53	Greene	9.3
8	Hendricks	5.5	53	Marion	9.3
9	Howard	5.6	56	LaPorte	9.5
9	Knox	5.6	56	Cass	9.5
11	Monroe	5.8	58	Grant	9.7
12	DeKalb	5.9	59	Jay	10.2
12	Johnson	5.9	60	Fulton	11.0
12	Warrick	5.9			
15	Putnam	6.0		INDIANA	7.4
15	LaGrange	6.0			
17	Jennings	6.1			
17	Dearborn	6.1			
19	Steuben	6.2			
19	Clark	6.2			
21	Jefferson	6.3			
22	Lawrence	6.4			
22	Gibson	6.4			
24	Vigo	6.5			
24	Morgan	6.5			
26	Noble	6.7			
26	Kosciusko	6.7			
28	Scott	6.8			
28	Hancock	6.8			
28	Shelby	6.8			
28	Tippecanoe	6.8			
32	Jackson	6.9			
32	Madison	6.9			
32	Clay	6.9			
35	Dubois	7.0			
36	Ripley	7.3			
37	Jasper	7.5			
38	Elkhart	7.6			
39	Montgomery	7.7			
40	Wayne	8.0			
40	Vanderburgh	8.0			
42	Daviess	8.1			
43	Allen	8.2			
44	Delaware	8.3			
45	Clinton	8.4			
46	Fayette	8.8			
46	Lake	8.8			

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Infant Mortality Rate, Hispanic Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Allen	5.8
2	Elkhart	6.1
3	St. Joseph	6.4
4	Lake	6.8
5	Tippecanoe	7.1
6	Marion	7.9
	INDIANA	7.3

\*Rate per 1,000 Live Births

Note: Hispanic ethnicity can be of any race. Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Neonatal Mortality Rate, Total Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Floyd	2.3	36	Cass	5.8
2	Porter	2.7	38	Bartholomew	6.1
3	Howard	3.1	38	LaPorte	6.1
4	Hamilton	3.2	40	Marion	6.2
5	Clark	3.3	41	Adams	6.3
5	Boone	3.3	42	Jay	6.5
7	Noble	3.4	43	Greene	6.9
8	Vigo	3.7	44	Henry	7.1
9	Dearborn	3.9			
10	Monroe	4.0		INDIANA	4.8
11	Wayne	4.1			
11	Hendricks	4.1			
11	Madison	4.1			
11	LaGrange	4.1			
15	Johnson	4.2			
15	Elkhart	4.2			
15	Warrick	4.2			
15	Hancock	4.2			
19	Tippecanoe	4.4			
19	Kosciusko	4.4			
19	Marshall	4.4			
22	Knox	4.5			
22	Montgomery	4.5			
24	Dubois	4.6			
25	Morgan	4.8			
25	Gibson	4.8			
27	Shelby	5.0			
27	Delaware	5.0			
29	Grant	5.1			
30	Jackson	5.2			
30	Allen	5.2			
32	Vanderburgh	5.3			
32	Clinton	5.3			
32	Miami	5.3			
35	Lake	5.4			
36	St. Joseph	5.8			

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.



**Neonatal Mortality Rate, White Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Porter	2.4
2	Howard	2.6
3	Hamilton	2.8
4	Clark	3.3
4	Wayne	3.3
6	Elkhart	3.5
6	Boone	3.5
8	Vigo	3.7
8	Madison	3.7
10	Warrick	3.8
10	Johnson	3.8
10	Hendricks	3.8
10	Dearborn	3.8
14	Allen	3.9
15	Hancock	4.0
15	LaGrange	4.0
15	Delaware	4.0
18	Tippecanoe	4.1
18	St. Joseph	4.1
18	Lake	4.1
21	Marion	4.2
21	Monroe	4.2
21	Jackson	4.2
24	Marshall	4.4
24	Kosciusko	4.4
26	LaPorte	4.7
26	Montgomery	4.7
26	Dubois	4.7
29	Shelby	4.8
29	Clinton	4.8
29	Grant	4.8
29	Morgan	4.8
33	Cass	5.1
33	Vanderburgh	5.1
35	Miami	5.5
35	Bartholomew	5.5
37	Adams	6.1
38	Jay	6.7
39	Greene	7.0
40	Henry	7.1
INDIANA		4.0

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Neonatal Mortality Rate, Black Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Lake	8.4
2	Marion	9.4
3	LaPorte	11.3
4	St. Joseph	11.5
5	Allen	12.7
	INDIANA	9.4

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

# Neonatal Mortality Rate, Non-Hispanic Indiana Residents, 2006 – 2015

(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Porter	2.6
2	Hamilton	3.1
2	Howard	3.1
2	Boone	3.1
5	Clark	3.5
6	Vigo	3.7
7	Johnson	3.9
7	Wayne	3.9
7	Hendricks	3.9
10	Monroe	4.0
10	Madison	4.0
10	Dearborn	4.0
13	Jackson	4.1
14	LaGrange	4.3
14	Warrick	4.3
14	Hancock	4.3
17	Elkhart	4.4
18	Tippecanoe	4.5
18	Kosciusko	4.5
20	Montgomery	4.7
21	Morgan	4.8
22	Dubois	4.9
22	Gibson	4.9
22	Delaware	4.9
25	Shelby	5.0
25	Grant	5.0
27	Miami	5.2
27	Vanderburgh	5.2
29	Allen	5.3
30	Lake	5.5
31	Clinton	5.6
32	Cass	5.7
33	St. Joseph	5.8
34	Adams	6.0
34	Bartholomew	6.0
36	LaPorte	6.3
36	Marion	6.3
38	Henry	7.0
38	Greene	7.0
	INDIANA	4.7

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Neonatal Mortality Rate, Hispanic Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Elkhart	3.5
2	Lake	4.5
3	St. Joseph	5.1
4	Marion	5.9
	INDIANA	5.0

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Post-neonatal Mortality Rate, Total Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Hamilton	1.4
2	Hendricks	1.6
3	Monroe	1.8
4	Johnson	2.0
5	Porter	2.1
6	Hancock	2.5
6	Tippecanoe	2.5
6	Clark	2.5
9	Kosciusko	2.6
9	Howard	2.6
11	Vigo	2.7
11	Vanderburgh	2.7
13	Allen	2.8
13	St. Joseph	2.8
13	Marion	2.8
16	Madison	2.9
16	Bartholomew	2.9
18	Elkhart	3.1
19	Lake	3.2
19	LaPorte	3.2
21	Delaware	3.3
21	Noble	3.3
23	Wayne	3.9
24	Daviess	4.1
25	Grant	4.5
	INDIANA	2.6

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Post-neonatal Mortality Rate, White Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Hamilton	1.4
2	St. Joseph	1.5
3	Hendricks	1.6
4	Allen	1.9
4	Marion	1.9
6	Vanderburgh	2.0
7	Johnson	2.1
7	Porter	2.1
7	Lake	2.1
10	Elkhart	2.2
11	Tippecanoe	2.4
11	Vigo	2.4
13	Clark	2.5
14	Madison	2.7
14	LaPorte	2.7
14	Kosciusko	2.7
17	Bartholomew	2.8
18	Delaware	2.9
19	Wayne	3.6
20	Daviess	4.4
21	Grant	4.5
	INDIANA	2.2

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Post-neonatal Mortality Rate, Black Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Marion	4.7
2	Lake	5.3
3	St. Joseph	7.5
3	Vanderburgh	7.5
5	Allen	8.0
6	Elkhart	9.8
	INDIANA	5.5

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Post-neonatal Mortality Rate, Non-Hispanic Indiana Residents, 2006 – 2015**

(Counties with 20 or more infant deaths for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>RATE*</u></b>
1	Hamilton	1.4
2	Hendricks	1.6
3	Monroe	1.8
4	Johnson	2.0
5	Porter	2.2
5	Kosciusko	2.2
7	Tippecanoe	2.3
8	Howard	2.5
8	Hancock	2.5
10	Vigo	2.7
10	Clark	2.7
12	Vanderburgh	2.8
12	Allen	2.8
14	Madison	2.9
15	St. Joseph	3.0
15	Marion	3.0
15	Bartholomew	3.0
18	Elkhart	3.2
18	LaPorte	3.2
20	Lake	3.3
20	Delaware	3.3
22	Wayne	4.0
23	Daviess	4.5
24	Grant	4.7
	INDIANA	2.6

\*Rate per 1,000 Live Births

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.



**Post-neonatal Mortality Rate, Hispanic Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infant deaths for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>RATE*</u>
1	Marion	2.1
2	Lake	2.3
	INDIANA	2.3

\*Rate per 1,000 Live Births

Note: Hispanic ethnicity can be of any race. Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### Prenatal Care Began in First Trimester, Total Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>
1	Hamilton	84.0	48	Union	70.6
2	Boone	82.7	49	Morgan	70.3
3	Gibson	81.4	50	Clark	70.1
4	Knox	81.0	50	Pulaski	70.1
5	Hancock	80.6	52	Howard	69.9
6	Dubois	80.5	53	Vigo	69.8
7	Posey	80.4	54	Wells	69.7
7	Warrick	80.4	54	Carroll	69.7
9	Henry	79.6	56	Tippecanoe	69.1
10	Hendricks	79.4	57	White	68.9
11	Pike	79.3	58	Wayne	68.7
12	Delaware	78.7	58	Starke	68.7
12	Harrison	78.7	58	Steuben	68.7
14	Spencer	78.5	58	Brown	68.7
15	Monroe	78.3	58	Jennings	68.7
16	Randolph	77.3	63	Vermillion	68.6
17	Ohio	77.2	64	DeKalb	68.5
18	Fayette	77.1	65	Benton	68.2
19	Jefferson	77.0	66	Montgomery	67.8
20	Dearborn	76.5	67	Grant	67.7
20	Lawrence	76.5	68	Warren	67.4
22	Martin	76.1	69	Switzerland	66.6
23	Putnam	75.8	70	Newton	66.5
24	Porter	75.7	71	Washington	66.1
25	Rush	75.3	71	Decatur	66.1
26	Tipton	75.1	73	Bartholomew	65.9
27	Greene	74.9	74	St. Joseph	65.7
27	Huntington	74.9	75	Lake	65.5
29	Jackson	74.7	76	Noble	65.3
30	Miami	74.3	76	Fulton	65.3
31	Vanderburgh	73.7	78	Cass	65.1
32	Johnson	73.4	79	Scott	64.1
32	Sullivan	73.4	80	Clinton	64.0
32	Shelby	73.4	80	Marshall	64.0
35	Floyd	73.3	82	Marion	63.9
36	Blackford	73.0	83	Daviess	63.4
37	Orange	72.9	84	Jay	62.5
38	Ripley	72.7	85	Allen	62.3
39	Owen	72.5	86	LaPorte	61.1
39	Jasper	72.5	87	Parke	60.1
41	Madison	72.4	88	Fountain	59.9
41	Franklin	72.4	89	Elkhart	58.3
41	Perry	72.4	90	Kosciusko	52.5
44	Crawford	72.1	91	Adams	44.6
45	Wabash	71.1	92	LaGrange	40.1
46	Clay	71.0			
47	Whitley	70.9		INDIANA	68.7

\*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Prenatal Care Began in First Trimester, White Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>
1	Hamilton	85.1	48	Clay	71.5
2	Boone	83.0	49	Union	71.2
3	Gibson	81.8	50	Whitley	71.1
4	Dubois	81.6	51	Howard	71.0
5	Knox	81.4	52	Vigo	70.6
6	Hancock	81.0	53	Wayne	70.5
6	Posey	81.0	53	Morgan	70.5
8	Warrick	80.9	55	Wells	70.4
9	Hendricks	80.3	56	Pulaski	70.2
10	Delaware	79.7	57	Carroll	70.0
10	Henry	79.7	58	White	69.7
12	Pike	79.5	59	Grant	69.6
13	Monroe	79.4	60	St. Joseph	69.4
14	Harrison	78.9	61	Lake	69.2
14	Spencer	78.9	61	Steuben	69.2
16	Randolph	77.9	63	Starke	69.1
17	Fayette	77.6	64	Jennings	69.0
18	Ohio	77.5	64	Benton	69.0
19	Jefferson	77.3	66	Montgomery	68.9
20	Dearborn	77.1	67	Vermillion	68.7
21	Jackson	76.7	68	DeKalb	68.6
22	Lawrence	76.6	69	Brown	68.5
23	Porter	76.5	70	Marion	68.4
24	Vanderburgh	76.3	71	Warren	67.4
24	Martin	76.3	72	Newton	66.9
26	Putnam	76.1	73	Switzerland	66.7
27	Tipton	75.6	74	Bartholomew	66.4
27	Floyd	75.6	75	Decatur	66.3
29	Rush	75.5	76	Washington	66.1
30	Huntington	75.0	76	Noble	66.1
30	Greene	75.0	78	Cass	66.0
32	Miami	74.7	79	Fulton	65.5
33	Johnson	74.1	80	Allen	65.4
34	Shelby	73.8	81	Marshall	64.6
35	Madison	73.7	82	Scott	64.5
36	Sullivan	73.5	83	Clinton	64.4
37	Orange	73.1	84	LaPorte	64.0
38	Blackford	73.0	85	Daviess	63.8
38	Ripley	73.0	86	Jay	62.6
40	Franklin	72.8	87	Fountain	60.3
41	Jasper	72.7	88	Parke	59.9
42	Owen	72.6	89	Elkhart	59.8
43	Perry	72.5	90	Kosciusko	53.6
44	Crawford	72.0	91	Adams	44.6
45	Tippecanoe	71.8	92	LaGrange	40.0
46	Clark	71.7			
47	Wabash	71.6		INDIANA	71.0

\*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### **Prenatal Care Began in First Trimester, Black Population, Indiana Residents, 2006 – 2015**

(Counties with 20 or more mothers who received prenatal care in the first trimester for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>PERCENT*</u></b>
1	Henry	77.4
2	Daviess	72.3
3	Hancock	72.2
4	Hamilton	71.3
5	Jefferson	70.9
6	Delaware	70.8
7	Shelby	70.7
8	Hendricks	68.6
9	Gibson	68.2
10	Porter	66.7
10	Fayette	66.7
12	Knox	64.2
13	Monroe	64.1
14	Wayne	63.9
15	Posey	63.8
16	Madison	62.1
17	Miami	62.0
18	Boone	61.8
19	Warrick	61.6
20	Vanderburgh	60.9
21	Cass	60.3
22	Johnson	59.9
23	Clark	59.6
24	Howard	59.5
25	Lake	59.1
26	Vigo	58.5
27	Marshall	56.8
28	Marion	56.4
29	Floyd	56.0
30	Bartholomew	52.8
31	Grant	52.4
32	Allen	52.0
33	St. Joseph	51.7
34	Jackson	50.8
35	LaPorte	47.6
36	Tippecanoe	46.7
37	Elkhart	45.3
38	Kosciusko	41.9
INDIANA		56.6

\*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Prenatal Care Began in First Trimester, Non-Hispanic Population, Indiana Residents, 2006 – 2015**

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>
1	Hamilton	84.9	50	Clay	71.3
2	Dubois	83.1	50	Tippecanoe	71.3
3	Boone	82.9	52	Union	71.2
4	Gibson	81.5	53	Whitley	70.9
5	Knox	81.2	54	Carroll	70.5
6	Posey	80.8	55	Morgan	70.4
6	Hancock	80.8	55	Wayne	70.4
6	Warrick	80.8	57	Wells	70.3
9	Hendricks	79.9	58	Howard	70.2
10	Henry	79.6	58	Pulaski	70.2
11	Spencer	79.5	60	Montgomery	70.1
11	Pike	79.5	61	Vigo	70.0
13	Delaware	78.9	62	Steuben	69.7
13	Monroe	78.9	63	Benton	69.6
15	Harrison	78.8	64	Jennings	68.9
16	Randolph	78.5	64	Starke	68.9
17	Jefferson	77.9	66	Brown	68.7
18	Fayette	77.3	66	DeKalb	68.7
18	Ohio	77.3	66	Vermillion	68.7
20	Dearborn	77.2	69	Grant	68.6
21	Jackson	77.0	70	Bartholomew	68.2
22	Tipton	76.8	71	Newton	67.7
23	Lawrence	76.6	72	Warren	67.5
24	Porter	76.2	73	Noble	67.2
25	Martin	76.1	74	St. Joseph	66.9
26	Putnam	76.0	75	Switzerland	66.8
27	Shelby	75.5	76	Lake	66.6
28	Rush	75.4	77	Decatur	66.5
29	Huntington	75.3	78	Marion	66.2
30	Greene	74.9	79	Washington	65.9
31	Miami	74.6	80	Fulton	65.6
32	Vanderburgh	74.5	81	Marshall	65.4
33	Johnson	74.4	82	Scott	64.3
34	Floyd	73.8	83	Daviess	63.6
35	Jasper	73.7	84	Jay	62.6
36	Madison	73.6	85	Allen	62.3
37	Sullivan	73.5	86	LaPorte	62.0
37	Ripley	73.5	87	Fountain	60.9
39	Blackford	73.4	88	Elkhart	60.7
40	Orange	73.2	89	Parke	60.2
41	Franklin	72.9	90	Kosciusko	53.4
42	Owen	72.5	91	Adams	44.2
43	Perry	72.4	92	LaGrange	39.6
44	Crawford	72.3			
45	Clark	72.0			
46	Clinton	71.7		INDIANA	70.1
47	Wabash	71.5			
48	White	71.4			
48	Cass	71.4			

\*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Prenatal Care Began in First Trimester, Hispanic Population, Indiana Residents, 2006 – 2015

(Counties with 20 or more mothers who received prenatal care in the first trimester for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT*</u>
1	Harrison	78.3	40	Blackford	58.3
2	Gibson	77.6	41	Randolph	58.2
3	Boone	76.8	42	Howard	58.0
4	Greene	75.5	43	LaGrange	57.6
5	Henry	75.0	44	Jasper	57.5
6	Washington	74.6	45	Vigo	57.1
7	Hancock	74.3	46	Jackson	57.0
8	Lawrence	74.0	47	Huntington	56.4
9	Owen	72.5	48	St. Joseph	56.0
10	Delaware	72.4	49	Noble	55.5
11	Perry	71.7	50	Marshall	55.3
12	Rush	71.0	51	Vanderburgh	54.7
13	Porter	70.7	52	Wabash	54.4
14	Knox	70.3	53	Wells	54.3
15	Whitley	67.3	53	Tippecanoe	54.3
16	Pulaski	66.7	55	Grant	54.2
17	Hendricks	66.0	55	White	54.2
18	Floyd	64.4	57	Carroll	54.1
19	Miami	63.5	58	Clark	53.5
20	Dearborn	63.1	59	Johnson	52.9
21	Allen	62.7	60	Newton	51.8
22	Starke	62.5	61	Marion	51.6
23	Dubois	62.4	62	LaPorte	50.8
24	Monroe	62.3	63	Madison	50.3
25	Morgan	62.0	63	Wayne	50.3
26	Spencer	61.7	65	Elkhart	49.5
27	Warrick	61.6	66	Steuben	47.3
28	Lake	61.3	67	Benton	46.9
29	Jennings	61.2	68	Shelby	46.5
30	Jefferson	61.0	69	Cass	46.2
31	Daviess	60.6	70	Ripley	44.9
32	Hamilton	60.4	71	Kosciusko	44.6
33	Fulton	60.0	71	Bartholomew	44.6
33	Orange	60.0	73	Decatur	43.5
35	DeKalb	59.8	74	Montgomery	41.9
36	Putnam	59.6	75	Clinton	41.0
37	Jay	59.3	76	Fountain	37.2
37	Scott	59.3	77	Tipton	33.9
39	Adams	58.8		INDIANA	55.2

\*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### Low Birthweight\*, Total Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Benton	4.8	43	Harrison	7.5
2	Lagrange	5.2	50	White	7.6
3	Brown	5.3	51	Sullivan	7.7
4	Warren	5.5	52	Wells	7.8
5	Union	6.0	52	Fulton	7.8
6	Pulaski	6.1	52	Decatur	7.8
7	Newton	6.2	52	Fayette	7.8
8	Marshall	6.4	52	Bartholomew	7.8
9	Ohio	6.5	57	Wayne	7.9
10	Jasper	6.6	57	Cass	7.9
11	Washington	6.7	59	Morgan	8.0
11	Spencer	6.7	59	Tipton	8.0
11	De Kalb	6.7	59	Vigo	8.0
11	Putnam	6.7	59	Jefferson	8.0
15	Daviess	6.8	59	Rush	8.0
15	Boone	6.8	64	Whitley	8.1
15	Clay	6.8	64	Clark	8.1
15	Hendricks	6.8	64	Orange	8.1
15	Parke	6.8	64	Vermillion	8.1
20	Fountain	6.9	64	Henry	8.1
20	Porter	6.9	64	St. Joseph	8.1
20	Franklin	6.9	70	Warrick	8.2
20	Johnson	6.9	71	Jay	8.3
24	Starke	7.0	71	Wabash	8.3
24	Owen	7.0	71	Knox	8.3
24	Jackson	7.0	71	Floyd	8.3
24	Ripley	7.0	75	Jennings	8.4
28	Hamilton	7.1	75	Madison	8.4
28	Tippecanoe	7.1	77	Lawrence	8.5
28	Kosciusko	7.1	78	Miami	8.6
28	Shelby	7.1	79	Crawford	8.7
32	Monroe	7.2	80	Huntington	8.8
32	Carroll	7.2	80	Perry	8.8
32	Dubois	7.2	82	Randolph	8.9
32	Steuben	7.2	82	Allen	8.9
32	Posey	7.2	84	Pike	9.0
37	Martin	7.3	84	Blackford	9.0
37	Adams	7.3	86	Vanderburgh	9.2
37	Clinton	7.3	87	LaPorte	9.3
40	Elkhart	7.4	88	Marion	9.3
40	Montgomery	7.4	89	Lake	9.4
40	Hancock	7.4	90	Delaware	9.5
43	Greene	7.5	90	Scott	9.5
43	Noble	7.5	92	Grant	9.9
43	Dearborn	7.5			
43	Gibson	7.5		INDIANA	8.1
43	Switzerland	7.5			
43	Howard	7.5			

\*Birthweight less than 2,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### Low Birthweight\*, White Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Benton	4.8	46	Gibson	7.4
2	Lagrange	5.2	50	Harrison	7.5
3	Brown	5.3	50	Noble	7.5
4	Warren	5.4	50	Wayne	7.5
5	Newton	6.1	53	Greene	7.6
5	Union	6.1	53	Clark	7.6
7	Pulaski	6.2	55	Marion	7.7
8	Ohio	6.4	55	Fulton	7.7
8	Marshall	6.4	55	Floyd	7.7
10	Jasper	6.5	55	Allen	7.7
11	Daviess	6.6	59	Sullivan	7.8
11	Boone	6.6	59	Wells	7.8
11	Putnam	6.6	59	Decatur	7.8
14	Porter	6.7	59	Fayette	7.8
14	Spencer	6.7	63	Bartholomew	7.9
14	Tippecanoe	6.7	63	Vigo	7.9
14	Hendricks	6.7	63	Cass	7.9
14	Washington	6.7	63	Tipton	7.9
14	De Kalb	6.7	63	Madison	7.9
14	Parke	6.7	63	Morgan	7.9
21	Hamilton	6.8	69	Jefferson	8.0
21	Johnson	6.8	69	Vermillion	8.0
21	Clay	6.8	71	Whitley	8.1
21	Franklin	6.8	71	Orange	8.1
25	Elkhart	6.9	71	Rush	8.1
25	Fountain	6.9	71	Henry	8.1
27	Owen	7.0	75	Warrick	8.2
27	Kosciusko	7.0	76	Knox	8.3
27	St. Joseph	7.0	76	Vanderburgh	8.3
27	Ripley	7.0	76	Jay	8.3
27	Shelby	7.0	76	Jennings	8.3
27	Starke	7.0	80	Wabash	8.4
33	Posey	7.1	81	LaPorte	8.5
34	Jackson	7.2	81	Lawrence	8.5
34	Monroe	7.2	83	Miami	8.6
34	Carroll	7.2	83	Crawford	8.6
34	Steuben	7.2	85	Perry	8.7
38	Howard	7.3	86	Huntington	8.8
38	Adams	7.3	86	Pike	8.8
38	Switzerland	7.3	88	Blackford	9.0
38	White	7.3	88	Randolph	9.0
38	Dubois	7.3	90	Delaware	9.1
38	Lake	7.3	91	Grant	9.4
38	Martin	7.3	91	Scott	9.4
38	Hancock	7.3			
46	Montgomery	7.4		INDIANA	7.4
46	Clinton	7.4			
46	Dearborn	7.4			

\*Birthweight less than 2,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.



**Low Birthweight\*, Black Population, Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infants with low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hendricks	8.9
2	Johnson	9.6
3	Porter	10.3
3	Howard	10.3
5	Monroe	10.9
6	Hamilton	11.3
6	Vigo	11.3
8	St. Joseph	13.0
9	Marion	13.1
9	Clark	13.1
11	Delaware	13.3
12	Tippecanoe	13.4
13	Bartholomew	13.5
14	Madison	13.7
15	Lake	14.0
15	Floyd	14.0
17	Grant	14.3
17	Elkhart	14.3
19	Wayne	14.6
20	Allen	14.7
21	LaPorte	14.9
22	Vanderburgh	15.7
	INDIANA	13.4

\*Birthweight less than 2,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### Low Birthweight\*, Non-Hispanic Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Benton	4.8	49	Sullivan	7.8
2	Lagrange	5.2	49	Wells	7.8
3	Brown	5.3	49	Fayette	7.8
4	Warren	5.6	53	Fulton	7.9
5	Pulaski	6.0	53	Jefferson	7.9
6	Union	6.1	53	Decatur	7.9
7	Newton	6.3	56	Bartholomew	8.0
8	Washington	6.5	56	Clark	8.0
8	Marshall	6.5	56	Whitley	8.0
10	Ohio	6.6	56	Morgan	8.0
10	Jasper	6.6	56	Clinton	8.0
12	Daviess	6.7	56	Tipton	8.0
12	De Kalb	6.7	62	Vigo	8.1
14	Boone	6.8	62	Wayne	8.1
14	Hendricks	6.8	62	Henry	8.1
14	Putnam	6.8	62	Orange	8.1
14	Spencer	6.8	66	Vermillion	8.2
14	Clay	6.8	66	Jennings	8.2
19	Franklin	6.9	66	Floyd	8.2
19	Kosciusko	6.9	66	Rush	8.2
19	Parke	6.9	66	Warrick	8.2
19	Johnson	6.9	71	Knox	8.4
19	Ripley	6.9	71	St. Joseph	8.4
24	Owen	7.0	71	Cass	8.4
24	Porter	7.0	71	Wabash	8.4
24	Hamilton	7.0	71	Jay	8.4
24	Starke	7.0	71	Lawrence	8.4
28	Fountain	7.1	77	Crawford	8.5
28	Tippecanoe	7.1	78	Madison	8.6
28	Monroe	7.1	78	Miami	8.6
28	Jackson	7.1	80	Huntington	8.8
32	Posey	7.3	81	Perry	8.9
32	Adams	7.3	82	Pike	9.0
32	Dubois	7.3	82	Scott	9.0
32	Switzerland	7.3	82	Randolph	9.0
32	Harrison	7.3	85	Allen	9.1
32	Carroll	7.3	85	Blackford	9.1
32	Steuben	7.3	87	Vanderburgh	9.3
39	Martin	7.4	88	Delaware	9.5
39	Dearborn	7.4	88	LaPorte	9.5
39	Shelby	7.4	90	Marion	9.7
42	Hancock	7.5	91	Lake	9.9
42	Montgomery	7.5	92	Grant	10.0
42	Gibson	7.5			
45	Greene	7.6			
45	White	7.6			
45	Howard	7.6		Indiana	8.3
48	Elkhart	7.7			
49	Noble	7.8			

\*Birthweight less than 2,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Low Birthweight\*, Hispanic Population, Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infants with low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Clinton	5.3
2	Porter	5.4
3	Marshall	5.6
4	Noble	6.0
5	Madison	6.1
5	Jackson	6.1
7	Dubois	6.2
8	St. Joseph	6.3
9	Wayne	6.4
9	Elkhart	6.4
11	Cass	6.5
12	Montgomery	6.6
12	LaPorte	6.6
12	Marion	6.6
15	Bartholomew	6.7
16	Tippecanoe	6.8
16	Vanderburgh	6.8
18	Jasper	6.9
19	Lake	7.3
20	Hamilton	7.5
21	Allen	7.6
22	Johnson	7.7
22	Hendricks	7.7
24	White	7.9
24	Daviess	7.9
26	Grant	8.2
27	Monroe	8.5
28	Clark	8.8
29	Kosciusko	8.9
30	Delaware	9.3
31	Floyd	10.5
32	Jefferson	11.3
33	Harrison	12.7
34	Scott	24.7
	INDIANA	6.9

\*Birthweight less than 2,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Very Low Birthweight\*, Total Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infants with very low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Lagrange	0.8	40	Randolph	1.3
1	Decatur	0.8	40	Bartholomew	1.3
3	Franklin	0.9	40	Noble	1.3
3	Wabash	0.9	40	Vigo	1.3
3	White	0.9	40	Warrick	1.3
3	Starke	0.9	40	Monroe	1.3
3	Putnam	0.9	51	Cass	1.4
8	Daviess	1.0	51	Dearborn	1.4
8	Owen	1.0	51	Delaware	1.4
8	Porter	1.0	51	Huntington	1.4
8	Boone	1.0	51	Scott	1.4
8	Jackson	1.0	51	Clark	1.4
8	Greene	1.0	51	Dubois	1.4
8	Kosciusko	1.0	51	Floyd	1.4
15	Spencer	1.1	51	Jefferson	1.4
15	Knox	1.1	51	Madison	1.4
15	Howard	1.1	51	Ripley	1.4
15	Jasper	1.1	62	Clinton	1.5
15	Marshall	1.1	62	Henry	1.5
15	Sullivan	1.1	62	Rush	1.5
15	Whitley	1.1	62	Grant	1.5
15	Johnson	1.1	62	Allen	1.5
15	Washington	1.1	62	Pike	1.5
15	Jay	1.1	68	Gibson	1.6
25	Orange	1.2	68	Miami	1.6
25	Steuben	1.2	68	St. Joseph	1.6
25	De Kalb	1.2	68	Fayette	1.6
25	Wells	1.2	68	Fulton	1.6
25	Adams	1.2	73	LaPorte	1.8
25	Hamilton	1.2	73	Switzerland	1.8
25	Montgomery	1.2	75	Marion	1.9
25	Lawrence	1.2	75	Vanderburgh	1.9
25	Fountain	1.2	75	Lake	1.9
25	Hendricks	1.2	40	Randolph	1.3
25	Jennings	1.2	40	Bartholomew	1.3
25	Shelby	1.2	40	Noble	1.3
25	Tippecanoe	1.2	40	Vigo	1.3
25	Posey	1.2			
25	Wayne	1.2			
40	Clay	1.3			
40	Morgan	1.3			
40	Hancock	1.3		INDIANA	1.4

\*Birthweight less than 1,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Very Low Birthweight\*, White Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infants with very low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Lagrange	0.8	31	Morgan	1.2
1	White	0.8	31	Clay	1.2
1	Decatur	0.8	31	Harrison	1.2
4	Franklin	0.9	31	Jennings	1.2
4	Porter	0.9	31	Madison	1.2
4	Wabash	0.9	31	Vigo	1.2
4	Putnam	0.9	49	Bartholomew	1.3
8	Boone	1.0	49	Randolph	1.3
8	Starke	1.0	49	St. Joseph	1.3
8	Daviess	1.0	49	Warrick	1.3
8	Owen	1.0	49	Grant	1.3
8	Howard	1.0	49	Noble	1.3
8	Jasper	1.0	49	Dearborn	1.3
8	Knox	1.0	49	Monroe	1.3
8	Jackson	1.0	57	Delaware	1.4
8	Kosciusko	1.0	57	Lake	1.4
8	Greene	1.0	57	Marion	1.4
18	Spencer	1.1	57	Scott	1.4
18	Tippecanoe	1.1	57	Floyd	1.4
18	Marshall	1.1	57	Huntington	1.4
18	Whitley	1.1	57	Cass	1.4
18	Sullivan	1.1	57	Ripley	1.4
18	Johnson	1.1	57	Jefferson	1.4
18	Hamilton	1.1	57	LaPorte	1.4
18	Jay	1.1	57	Dubois	1.4
18	Orange	1.1	68	Clinton	1.5
18	Steuben	1.1	68	Henry	1.5
18	Adams	1.1	68	Pike	1.5
18	Washington	1.1	68	Rush	1.5
18	Wayne	1.1	68	Fulton	1.5
31	Allen	1.2	68	Fayette	1.5
31	Clark	1.2	74	Gibson	1.6
31	Hancock	1.2	74	Miami	1.6
31	De Kalb	1.2	76	Switzerland	1.7
31	Lawrence	1.2	76	Vanderburgh	1.7
31	Montgomery	1.2			
31	Wells	1.2			
31	Elkhart	1.2			
31	Fountain	1.2			
31	Posey	1.2			
31	Shelby	1.2			
31	Hendricks	1.2		INDIANA	1.2

\*Birthweight less than 1,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Very Low Birthweight\*, Black Population, Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infants with very low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Delaware	1.7
2	Porter	2.7
2	Vigo	2.7
4	Elkhart	2.9
5	St. Joseph	3.0
5	Marion	3.0
5	Lake	3.0
8	Hamilton	3.1
8	Vanderburgh	3.1
8	Grant	3.1
11	Tippecanoe	3.2
12	Allen	3.3
12	Madison	3.3
14	LaPorte	3.9
14	Clark	3.9
	INDIANA	3.0

\*Birthweight less than 1,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Very Low Birthweight\*, Non-Hispanic Population, Indiana Residents, 2006 – 2015**  
(Counties with 20 or more infants with very low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	White	0.8	38	Posey	1.3
1	Lagrange	0.8	38	Hancock	1.3
1	Decatur	0.8	38	Scott	1.3
4	Franklin	0.9	38	Bartholomew	1.3
4	Wabash	0.9	38	Shelby	1.3
6	Owen	1.0	38	Elkhart	1.3
6	Daviess	1.0	38	Floyd	1.3
6	Putnam	1.0	38	Monroe	1.3
6	Starke	1.0	38	Vigo	1.3
6	Boone	1.0	38	Dearborn	1.3
6	Jackson	1.0	38	Delaware	1.3
6	Kosciusko	1.0	38	Warrick	1.3
6	Porter	1.0	54	Clark	1.4
6	Greene	1.0	54	Randolph	1.4
15	Jasper	1.1	54	Ripley	1.4
15	Spencer	1.1	54	Noble	1.4
15	Johnson	1.1	54	Huntington	1.4
15	Knox	1.1	59	Madison	1.5
15	Washington	1.1	59	Dubois	1.5
15	Whitley	1.1	59	Henry	1.5
15	Howard	1.1	59	Grant	1.5
15	Marshall	1.1	59	Cass	1.5
15	Steuben	1.1	59	Rush	1.5
15	Sullivan	1.1	59	Allen	1.5
15	Montgomery	1.1	59	Clinton	1.5
26	Jay	1.2	59	Pike	1.5
26	Jennings	1.2	68	Gibson	1.6
26	De Kalb	1.2	68	Miami	1.6
26	Lawrence	1.2	68	Fayette	1.6
26	Orange	1.2	68	St. Joseph	1.6
26	Hamilton	1.2	68	Fulton	1.6
26	Adams	1.2	73	Switzerland	1.7
26	Hendricks	1.2	74	LaPorte	1.8
26	Harrison	1.2	75	Vanderburgh	1.9
26	Wells	1.2	75	Marion	1.9
26	Tippecanoe	1.2	77	Lake	2.0
26	Morgan	1.2			
38	Fountain	1.3			
38	Wayne	1.3			
38	Clay	1.3			
38	Jefferson	1.3		INDIANA	1.4

\*Birthweight less than 1,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Very Low Birthweight\*, Hispanic Population, Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more infants with very low birthweight for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Elkhart	1.1
2	Tippecanoe	1.2
3	St. Joseph	1.3
4	Lake	1.4
4	Marion	1.4
6	Allen	1.5
7	Clark	1.9
	INDIANA	1.3

\*Birthweight less than 1,500 grams

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.



## Breastfed at Hospital Discharge, Total Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	90.2	47	Lawrence	68.8
2	Lagrange	87.3	48	Gibson	68.7
3	Adams	87.1	49	Jackson	68.4
4	Monroe	86.2	50	Warren	68.2
5	Elkhart	82.5	50	Morgan	68.2
6	Boone	82.0	50	Newton	68.2
7	Whitley	81.2	50	Randolph	68.2
8	St. Joseph	81.1	54	Blackford	68.0
9	Wells	81.0	54	Orange	68.0
10	Hendricks	80.4	54	Henry	68.0
11	Hancock	80.2	57	Pulaski	67.7
12	Brown	79.8	58	Starke	67.5
13	Marshall	78.2	59	Wayne	67.2
13	Porter	78.2	60	Cass	67.0
15	Tippecanoe	77.8	61	Jefferson	66.7
16	Kosciusko	77.5	61	Clay	66.7
17	Bartholomew	77.0	61	Spencer	66.7
18	Allen	76.8	64	Martin	66.6
18	Dubois	76.8	65	Montgomery	66.4
20	Warrick	76.3	66	Jennings	66.3
21	Johnson	76.2	67	Madison	66.2
22	Owen	75.7	67	Vigo	66.2
23	Daviess	75.3	69	Shelby	65.9
24	Carroll	75.1	70	Wabash	65.7
24	Jay	75.1	70	Franklin	65.7
26	Jasper	74.9	72	Fulton	65.6
27	Noble	74.6	73	Pike	65.5
28	De Kalb	74.3	74	Union	65.2
29	Tipton	72.6	74	Rush	65.2
30	Floyd	72.5	76	Decatur	64.7
30	Parke	72.5	77	Howard	64.3
32	Harrison	71.6	78	Sullivan	64.2
33	Posey	71.5	79	Vermillion	63.8
34	Marion	71.4	80	Crawford	63.6
34	Clark	71.4	81	Miami	63.1
36	Huntington	71.2	82	Grant	62.5
37	Vanderburgh	70.3	83	Ripley	62.1
38	White	70.1	84	Dearborn	61.9
38	Steuben	70.1	85	Fountain	61.3
40	Benton	69.9	86	Lake	61.1
40	Greene	69.9	87	Switzerland	59.3
42	Delaware	69.6	88	Fayette	58.2
43	Washington	69.5	89	Ohio	56.9
44	Clinton	69.2	90	Knox	56.0
45	Putnam	69.1	91	Perry	55.4
46	LaPorte	69.0	92	Scott	50.3
				INDIANA	73.0

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Breastfed at Hospital Discharge, White Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	90.1	47	Gibson	68.8
2	Lagrange	87.4	48	Putnam	68.7
3	Adams	87.2	49	Lawrence	68.6
4	Monroe	86.0	50	Morgan	68.2
5	St. Joseph	84.2	51	Blackford	68.1
6	Elkhart	83.9	51	Madison	68.1
7	Allen	81.5	51	Orange	68.1
7	Boone	81.5	54	Warren	68.0
9	Whitley	81.2	54	Randolph	68.0
10	Wells	81.1	54	Newton	68.0
11	Hendricks	80.2	57	Henry	67.9
12	Hancock	80.0	58	Wayne	67.8
13	Brown	79.7	59	Jackson	67.5
14	Porter	78.2	59	Starke	67.5
15	Tippecanoe	78.0	61	Pulaski	67.4
16	Marshall	77.9	62	Cass	67.2
17	Kosciusko	77.0	63	Spencer	66.8
18	Warrick	76.2	64	Jefferson	66.6
19	Dubois	76.0	64	Clay	66.6
20	Daviess	75.6	66	Martin	66.4
20	Johnson	75.6	67	Montgomery	66.1
22	Marion	75.5	67	Vigo	66.1
23	Owen	75.4	69	Jennings	65.9
24	Jay	75.1	70	Franklin	65.8
25	Jasper	75.0	71	Howard	65.7
26	Bartholomew	74.9	72	Pike	65.6
26	Carroll	74.9	73	Union	65.5
28	De Kalb	74.3	73	Shelby	65.5
29	Noble	74.0	75	Wabash	65.4
30	Floyd	73.9	76	Fulton	65.2
31	Tipton	72.8	77	Rush	65.1
32	Parke	72.5	78	Decatur	64.7
33	LaPorte	72.4	79	Grant	64.5
34	Posey	72.0	80	Sullivan	64.1
35	Clark	71.8	81	Vermillion	63.7
35	Vanderburgh	71.8	82	Crawford	63.4
37	Harrison	71.7	83	Miami	63.3
38	Delaware	71.2	84	Dearborn	62.4
39	Huntington	71.1	85	Ripley	62.0
40	Steuben	69.8	86	Fountain	61.1
41	Greene	69.7	87	Switzerland	59.3
41	White	69.7	88	Fayette	58.1
41	Benton	69.7	89	Ohio	56.8
44	Washington	69.4	90	Knox	55.9
44	Lake	69.4	91	Perry	55.3
46	Clinton	68.9	92	Scott	50.2
				INDIANA	74.8

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Breastfed at Hospital Discharge, Black Population, Indiana Residents, 2006 – 2015**  
 (Counties with 20 or more mothers that breastfed at hospital discharge for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Boone	88.2
2	Hamilton	85.8
3	Lawrence	85.2
4	Hancock	82.4
5	Hendricks	81.8
6	Kosciusko	78.4
6	Marshall	78.4
8	Johnson	78.1
8	Shelby	78.1
10	Putnam	75.9
11	Monroe	75.0
12	Bartholomew	71.6
13	Wabash	71.4
14	Porter	69.5
15	Cass	68.3
16	Clay	66.7
17	St. Joseph	66.0
17	Daviess	66.0
19	Warrick	65.7
20	Jackson	64.4
21	Henry	64.2
22	Noble	62.9
23	Elkhart	61.5
24	Marion	60.4
25	Clark	60.1
26	Vigo	59.2
27	Gibson	58.0
28	Wayne	56.7
29	Montgomery	55.8
30	Vanderburgh	55.3
31	Tippecanoe	54.9
32	Floyd	54.7
32	Allen	54.7
34	Delaware	52.2
34	Knox	52.2
36	Jefferson	50.9
37	Miami	50.6
38	LaPorte	47.3
	INDIANA	56.8

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Breastfed at Hospital Discharge, Non-Hispanic Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	90.2	47	Warren	68.0
2	Lagrange	87.9	47	Henry	68.0
3	Adams	87.2	49	Orange	67.9
4	Monroe	86.1	50	LaPorte	67.7
5	Boone	81.9	51	Randolph	67.6
6	Wells	81.2	51	Newton	67.6
6	Whitley	81.2	53	Blackford	67.5
8	Hendricks	80.4	54	Starke	67.4
9	St. Joseph	80.2	54	Pulaski	67.4
9	Hancock	80.2	56	White	67.3
11	Elkhart	80.1	57	Wayne	67.0
12	Brown	79.5	57	Jackson	67.0
13	Porter	78.2	59	Clay	66.5
14	Marshall	77.1	59	Martin	66.5
15	Kosciusko	77.0	61	Spencer	66.1
16	Tippecanoe	76.6	62	Vigo	65.9
17	Allen	76.4	62	Jennings	65.9
18	Warrick	76.1	62	Franklin	65.9
19	Johnson	76.0	65	Montgomery	65.8
20	Bartholomew	75.9	66	Jefferson	65.7
21	Daviess	75.6	67	Pike	65.6
22	Owen	75.4	68	Union	65.5
23	Jay	75.3	69	Madison	65.4
24	Dubois	75.0	69	Wabash	65.4
25	Carroll	74.5	71	Clinton	65.0
25	Jasper	74.5	72	Rush	64.8
27	De Kalb	74.3	73	Fulton	64.7
28	Tipton	73.0	73	Decatur	64.7
29	Noble	72.6	75	Shelby	64.6
30	Parke	72.5	76	Cass	64.5
31	Floyd	72.1	77	Sullivan	64.3
32	Posey	71.6	78	Howard	64.1
33	Harrison	71.4	79	Vermillion	63.9
34	Huntington	71.1	80	Crawford	63.6
35	Steuben	70.5	81	Miami	62.9
36	Clark	70.0	82	Grant	62.2
37	Vanderburgh	69.9	83	Dearborn	62.1
38	Greene	69.7	84	Ripley	61.6
39	Delaware	69.5	85	Fountain	60.8
40	Benton	69.4	86	Lake	60.5
41	Marion	69.3	87	Switzerland	59.2
41	Washington	69.3	88	Fayette	58.1
43	Putnam	69.0	89	Ohio	56.7
44	Lawrence	68.6	90	Knox	55.8
45	Gibson	68.4	91	Perry	55.5
46	Morgan	68.1	92	Scott	49.9
				INDIANA	72.2

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

### Breastfed at Hospital Discharge, Hispanic Population, Indiana Residents, 2006 – 2015

(Counties with 20 or more mothers that breastfed at hospital discharge for the 10 combined years)

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	92.6	40	Johnson	79.8
2	Elkhart	91.4	41	Vigo	79.3
3	Monroe	90.5	42	Jackson	79.2
4	Wayne	89.4	43	Wabash	78.9
5	Clay	89.3	43	Putnam	78.9
6	Blackford	88.9	45	Floyd	78.7
6	Dubois	88.9	46	Dearborn	78.5
8	Warrick	88.8	47	Benton	78.1
9	St. Joseph	88.5	48	Morgan	78.0
10	Bartholomew	87.8	49	Porter	77.7
11	Owen	87.5	50	Spencer	77.3
12	Rush	87.1	51	Randolph	76.9
13	White	86.9	52	Harrison	76.2
14	Tippecanoe	86.4	53	Lawrence	76.0
15	Jefferson	86.2	54	Wells	75.9
16	Carroll	85.6	55	Pulaski	75.6
17	Adams	85.2	56	Huntington	75.3
18	Hancock	85.0	57	Knox	75.0
18	Noble	85.0	57	Newton	75.0
20	Marshall	84.9	57	Orange	75.0
21	Whitley	84.6	60	Cass	74.6
22	Boone	84.5	61	Fountain	74.4
23	Ripley	84.3	61	Montgomery	73.4
24	Marion	84.1	63	De Kalb	73.2
25	LaPorte	83.7	64	Daviess	72.4
26	Clark	83.3	64	Delaware	72.4
27	Hendricks	83.2	66	Henry	72.1
28	Kosciusko	82.7	67	Miami	71.9
29	Gibson	82.1	68	Howard	71.8
30	Clinton	81.8	69	Starke	71.6
31	Jennings	81.6	70	Steuben	71.5
32	Allen	81.5	71	Jay	71.2
32	Vanderburgh	81.5	72	Grant	68.9
34	Washington	81.4	73	Decatur	67.7
35	Shelby	81.2	74	Lagrange	65.9
35	Madison	81.2	75	Scott	64.2
37	Greene	81.1	76	Posey	63.6
38	Jasper	80.8	77	Lake	63.5
39	Fulton	80.0	78	Tipton	62.7
				INDIANA	80.8

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Mothers Smoked During Pregnancy, Total Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	3.6	49	Delaware	23.1
2	Adams	8.5	49	Dearborn	23.1
2	Lagrange	8.5	49	Putnam	23.1
4	Hendricks	9.8	52	Madison	23.2
5	Lake	11.9	53	Huntington	23.3
6	Allen	12.8	54	Howard	23.4
6	Boone	12.8	55	Clay	23.8
8	St. Joseph	13.1	56	Sullivan	23.9
9	Elkhart	13.2	57	De Kalb	24.7
10	Dubois	13.5	57	Ripley	24.7
11	Hancock	13.6	59	Union	24.9
11	Porter	13.6	60	Rush	25.0
13	Daviess	14.0	60	Decatur	25.0
14	Marion	14.1	62	Shelby	25.1
15	Tippecanoe	14.3	63	Randolph	25.4
16	Warrick	14.5	63	Ohio	25.4
17	Floyd	14.9	65	Fountain	25.5
18	Clark	16.4	65	Miami	25.5
19	Monroe	16.5	67	Newton	25.6
20	Bartholomew	17.0	68	Pike	25.7
20	Tipton	17.0	69	Greene	25.8
22	Kosciusko	17.4	70	Steuben	26.1
23	Johnson	17.5	71	LaPorte	26.5
24	Wells	17.9	72	Vermillion	26.7
25	Whitley	18.9	73	Jefferson	26.9
26	Marshall	19.1	74	Henry	27.0
27	Spencer	19.4	75	Jennings	27.2
28	Clinton	19.5	76	Wabash	27.3
29	Posey	20.0	76	Morgan	27.3
30	Carroll	20.2	78	Montgomery	27.6
31	Harrison	20.5	79	Fulton	28.1
32	Vanderburgh	20.6	80	Lawrence	28.2
32	Parke	20.6	81	Pulaski	28.5
34	Benton	20.7	82	Perry	28.6
35	Franklin	20.9	83	Orange	28.9
36	Warren	21.4	84	Grant	29.1
37	Jasper	21.5	84	Knox	29.1
38	Jay	21.6	84	Switzerland	29.1
39	Brown	21.7	84	Starke	29.1
39	Cass	21.7	88	Fayette	30.1
41	Vigo	21.9	89	Blackford	30.9
41	Jackson	21.9	90	Crawford	31.4
43	Noble	22.1	91	Owen	31.6
44	Martin	22.2	92	Scott	32.4
45	Wayne	22.3			
46	Washington	22.5			
47	White	22.8		INDIANA	16.8
47	Gibson	22.8			

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## Mothers Smoked During Pregnancy, White Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	3.9	51	Wayne	23.6
2	Adams	8.3	52	Madison	23.8
3	Lagrange	8.5	53	Delaware	23.9
4	Hendricks	10.3	53	Clay	23.9
5	Lake	12.9	55	Sullivan	24.1
6	Allen	13.2	56	Howard	24.3
7	Boone	13.3	57	Union	24.6
8	Elkhart	13.4	58	De Kalb	24.8
9	St. Joseph	14.0	59	Ripley	25.0
9	Hancock	14.0	60	Rush	25.1
11	Dubois	14.3	61	Decatur	25.2
11	Porter	14.3	62	Miami	25.5
13	Daviess	14.5	62	Ohio	25.5
14	Warrick	14.9	64	Shelby	25.6
15	Floyd	15.2	65	Randolph	25.7
16	Tippecanoe	16.3	66	Greene	25.9
17	Marion	16.5	66	Pike	25.9
18	Tipton	17.0	68	Newton	25.9
19	Clark	17.5	69	Fountain	26.1
20	Monroe	17.8	70	Steuben	26.6
21	Wells	17.9	71	Vermillion	26.9
22	Johnson	18.2	72	Henry	27.2
23	Kosciusko	18.7	73	Jefferson	27.4
24	Whitley	18.9	73	Morgan	27.4
25	Bartholomew	19.2	75	Jennings	27.6
26	Spencer	19.5	76	Wabash	27.7
26	Posey	19.5	77	LaPorte	27.9
28	Marshall	19.8	78	Lawrence	28.3
29	Clinton	20.0	79	Montgomery	28.4
30	Carroll	20.4	80	Pulaski	28.7
31	Harrison	20.6	80	Perry	28.7
32	Parke	20.7	82	Fulton	28.8
33	Franklin	20.8	82	Orange	28.8
34	Benton	21.1	84	Starke	29.3
35	Vanderburgh	21.4	84	Switzerland	29.3
36	Warren	21.7	86	Knox	29.5
36	Jay	21.7	87	Grant	29.8
38	Jasper	21.8	88	Fayette	30.1
39	Brown	22.0	89	Blackford	30.9
40	Martin	22.2	90	Crawford	31.2
41	Cass	22.3	91	Owen	32.0
42	Vigo	22.4	92	Scott	32.6
43	Washington	22.5			
44	Gibson	22.9			
45	Dearborn	23.2		INDIANA	18.2
46	Huntington	23.3			
47	Putnam	23.4			
47	White	23.4			
49	Noble	23.5			
49	Jackson	23.5			

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

**Mothers Smoked During Pregnancy, Black Population, Indiana Residents, 2006 – 2015**

(Counties with 20 or more mothers that smoked during pregnancy for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>PERCENT</u></b>
1	Hamilton	2.8
2	Hendricks	4.9
3	Porter	6.9
4	Marion	11.3
5	Lake	11.5
6	St. Joseph	11.9
7	Johnson	12.0
8	Clark	12.4
9	Tippecanoe	13.2
10	Allen	14.8
11	Monroe	15.3
12	Floyd	16.4
13	Elkhart	16.7
14	Howard	18.1
15	Madison	19.1
15	Delaware	19.1
17	Vanderburgh	19.8
18	Wayne	20.2
19	Vigo	21.4
20	Bartholomew	21.8
21	LaPorte	22.1
22	Grant	25.9
23	Miami	29.1
24	Cass	33.3
25	Jackson	33.9
26	Henry	39.6
27	Posey	55.3
	INDIANA	12.9

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.



## Mothers Smoked During Pregnancy, Non-Hispanic Population, Indiana Residents, 2006 – 2015

<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>	<u>RANK</u>	<u>COUNTY</u>	<u>PERCENT</u>
1	Hamilton	3.7	49	Clay	24.0
2	Adams	8.3	51	Madison	24.3
3	Lagrange	8.6	51	Jackson	24.3
4	Hendricks	10.0	53	Union	24.8
5	Boone	13.0	54	De Kalb	24.9
6	Lake	13.3	55	Ripley	25.1
7	Allen	13.6	56	Decatur	25.3
7	Hancock	13.6	56	Rush	25.3
9	Porter	14.2	58	Clinton	25.5
9	St. Joseph	14.2	58	Ohio	25.5
11	Warrick	14.6	60	Miami	25.8
12	Daviess	14.9	61	Pike	25.9
13	Floyd	15.4	62	Greene	26.0
13	Dubois	15.4	62	Noble	26.0
15	Tippecanoe	15.9	64	Fountain	26.2
16	Marion	16.2	65	White	26.3
17	Elkhart	16.3	66	Randolph	26.4
18	Monroe	16.9	67	Steuben	26.6
19	Tipton	17.6	68	Vermillion	26.7
20	Clark	17.7	69	Shelby	26.9
21	Johnson	18.1	70	Henry	27.2
21	Wells	18.1	70	Newton	27.2
23	Bartholomew	18.6	72	Morgan	27.5
24	Whitley	18.9	73	Wabash	27.8
25	Kosciusko	19.1	74	Jennings	27.9
26	Posey	19.9	75	Jefferson	28.0
27	Spencer	20.2	76	Cass	28.1
28	Parke	20.5	76	LaPorte	28.1
29	Harrison	20.8	78	Lawrence	28.4
30	Franklin	20.9	79	Perry	28.8
31	Vanderburgh	21.0	80	Pulaski	29.1
32	Carroll	21.2	80	Fulton	29.1
33	Marshall	21.5	82	Orange	29.2
33	Warren	21.5	83	Switzerland	29.3
35	Benton	21.8	83	Knox	29.3
36	Vigo	22.0	85	Montgomery	29.4
36	Brown	22.0	86	Starke	29.5
38	Jay	22.1	87	Grant	30.1
39	Martin	22.4	88	Fayette	30.2
40	Washington	22.5	89	Blackford	31.4
41	Jasper	22.8	90	Crawford	31.5
42	Gibson	22.9	91	Owen	32.0
43	Putnam	23.3	92	Scott	32.8
43	Huntington	23.3			
43	Dearborn	23.3			
46	Delaware	23.4		INDIANA	18.1
46	Wayne	23.4			
48	Howard	23.6			
49	Sullivan	24.0			

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

# **Mothers Smoked During Pregnancy, Hispanic Population, Indiana Residents, 2006 – 2015**

(Counties with 20 or more mothers that smoked during pregnancy for the 10 combined years)

<b><u>RANK</u></b>	<b><u>COUNTY</u></b>	<b><u>PERCENT</u></b>
1	Hamilton	1.5
2	Elkhart	1.9
2	Noble	1.9
2	Marion	1.9
5	Kosciusko	2.4
6	Cass	2.5
7	Madison	2.7
8	Tippecanoe	3.6
9	Marshall	3.7
10	St. Joseph	4.1
10	Allen	4.1
12	Johnson	4.2
13	Hendricks	4.8
14	Montgomery	5.5
14	Clark	5.5
16	Lake	5.8
17	Monroe	6.7
18	Floyd	7.7
19	LaPorte	7.8
20	Porter	7.9
21	Vanderburgh	8.4
22	Delaware	8.6
23	Steuben	12.1
24	Grant	12.4
25	Adams	13.7
26	Howard	14.1
27	Harrison	14.3
27	Vigo	14.3
29	Lawrence	20.8
30	Huntington	23.8
	INDIANA	4.0

Note: Some rankings in the 2006-2015 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

## **Glossary of Terms**

**Age-Specific Birth Rate** – The number of live births for a specific age group for every 1,000 women in that age group.

**Birthweight** – The amount a liveborn infant weighs at birth.

**County of Occurrence** – The Indiana County where someone gave birth or died. The person may or may not be an Indiana resident.

**County of Residence** – For birth data, the county of residence is the mother’s Indiana County of residence at the time she gave birth, regardless of where she gave birth. For death data, the county of residence is where the person lived when he or she died, regardless of where the death occurred.

**Ethnicity** – Births are based on the reported ethnicity of the mother. Infant deaths are based on the reported ethnicity of the infant. In Indiana, “Hispanic” is classified as an individual’s ethnicity, not his or her race; all Hispanics are classified as either “White Hispanic”, “Black Hispanic”, or “Other Hispanic”. Please see Preface for OMB standards regarding ethnicity.

**First Trimester** – The first three months of pregnancy.

**Infant Mortality** – The death of an infant less than one year old. The infant mortality rate (IMR) is calculated by taking infant deaths divided by live births multiplied by 1,000.

**Kotelchuck Index** – The Kotelchuck Index is an Adequacy of Prenatal Care Utilization (APNCU) Index which attempts to characterize prenatal care (PNC) utilization on two independent and distinctive dimensions – namely adequacy of initiation of PNC and adequacy of received services (once PNC has begun). It utilizes month of initial PNC visit, number of visits, and gestational age in its calculations.

**Live Birth** – A live birth is any infant who breathes or shows any other evidence of life (such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles) after separation from the mother’s uterus, regardless of the duration of gestation.

**Low Birthweight (LBW)** – Birthweight less than 2,500 grams (5 lb. 8 oz.)

**Neonatal Mortality** – The death of an infant less than 28 days old. The rate is calculated by taking the number of neonatal deaths divided by live births multiplied by 1,000.

**Occurrent Live Birth** – The live birth of an infant occurring in Indiana regardless of the mother’s state of residence. The mother may or may not be an Indiana resident.

**Preterm Births** – Delivery of a liveborn infant prior to 37 weeks gestation. See Preface for more detailed information about how preterm births were calculated in this report.

**Post-neonatal Mortality** – The death of an infant 28 days to 364 days old. The rate is calculated by taking the number of Post-neonatal deaths divided by live births multiplied by 1,000.

**Race** – Births are based on the reported race of the mother. Infant deaths are based on the reported race of the infant. In this report, race is categorized as “White”, “Black”, and “Total”. “Total” represents all races combined, which includes “White”, “Black”, and “Other”. “Other” means all other races besides White and Black, including unknown. In Indiana, “Hispanic” is classified as an individual’s ethnicity, not his or her race. Please see definition of Ethnicity. Please see Preface for OMB standards regarding race.

**Ratio of Black to White Infant Mortality Rate** – Black infant mortality rate divided by white infant mortality rate. The ratio is unstable if the numerator or denominator is less than 20. The ratio can be calculated with neonatal and Post-neonatal mortality rates, also.

**Resident Live Birth** – The live birth of an infant whose mother’s usual residence is in Indiana, regardless of where the birth occurred (inside Indiana or elsewhere).

**Smoked During Pregnancy** – This information is self-reported by the mother.

**Stable Rate** – A rate containing a minimum of 20 occurrences or events (e.g., births or deaths) per unit being examined (e.g., county or state).

**Unstable Rate** – When the numerator or denominator is less than 20, the rate is unstable. A small change in the numerator or denominator can lead to a large change in the rate from one year to the next. Some of the rates shown in this report are based on a small number of live births or deaths by age or race. ***The unstable rates are shown in this report, but we do not recommend using unstable rates. Unstable rates do not lend themselves to being used to make decisions.***

**Very Low Birthweight (VLBW)** – Birthweight less than 1,500 grams (3 lb. 5 oz.)

## Appendix

### Infant Mortality Cause of Death Category ICD-10 Codes

<b>Cause of Death Category</b>	<b>Description</b>	<b>ICD-10 Code</b>
<i>Perinatal Risks</i>	Certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.).	P00-P96
<i>Congenital Abnormalities and Malformations</i>	Physical defects present at birth that result from genetics, through exposure of the fetus to mal-forming agents, or are of unknown origin.	Q00-Q99
<i>Sudden Unexpected Infant Deaths (SUIDs)</i>	Sleep-related infant deaths and unexpected deaths of no known cause after investigation. Includes Sudden Infant Death Syndrome (SIDS) and accidental suffocation and strangulation in bed. (Centers for Disease Control and Prevention recommendation)	R95, R99, W75
<i>Assaults and Other Accidents</i>	Deaths related to homicide, neglect, and preventable accidents not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.).	V01-W74, W76-W99, X00-59, X85-Y09, Y20, Y86
<i>All Other Causes</i>	Residual causes of deaths	Residual